

**North American Listings**  
including Hawaii & U.S. possessions

**\$29<sup>95</sup>**

**1992**

**radio amateur**

# **callbook**



**The only publication listing licensed radio amateurs throughout the world, since 1920.**

**in this issue**

- 566,524 licensed Radio Amateurs
- 29,300 new licenses included, issued since the 1991 edition
- Over 75,000 changes in listings
- Then & Now — Call letter changes
- 6 and 10 Meter Beacon Lists
- Radio Amateur Prefixes of the World
- Table of Call Sign Allocations
- DXCC Countries List
- Census of Amateur Radio Licenses of the World
- Census of Amateur Radio Licenses of the U.S.
- Radio Amateurs Operating with Reciprocal Licenses
- World Wide QSL Bureaus
- Plus many other features

**70th Anniversary Edition**

For Use Throughout 1992

**NEW!**

# KENWOOD



## Freedom of Choice

### TM-741A Modular FM Transceiver

The choice is yours. Kenwood's new FM Multibander allows you to start as a deluxe dual band radio – or add a third band. As a dual band, you'll have access to 144 and 450 MHz operation.

If you decide to add a third band – choose again. Select from the 28, 50, 220, or 1200 MHz bands. Then simply plug this option into the available slot.

Your ultra-compact TM-741A offers a full 50 watts on 10, 6, and 2 meters; 35 watts on 450 MHz; 25 watts on 220 MHz, and 10 watts on 1200 MHz!

On 2 meters, you'll find wide band receiver coverage with RX on 118 - 174 MHz, and TX on

the Amateur bands. The 2 meter section is modifiable for MARS and CAP (permits required).

303 memory channels are available, with 101 in any one band. Cross band repeat between bands, or, choose dual band input with cross repeat to the third band. The offset function is active on the output, allowing you to repeat to repeaters.

### Other features

Individual volume and squelch controls for each band. Remote mounting of front panel with optional cable kit. Optional selective calling or group calling. Optional DTMF memory stores 15 characters for repeater controlling. Versatile scanning. Auto offset on 2m. Fixed detect output for packet radio.

Multi-function DTMF microphone. Separate antenna and speaker outputs. Auto power off and time-out. 4 step dimmer. 3 step power. Clock, timer and calendar. DC cable, and mobile bracket.

**UT-28S:** 28MHz, 50 W, RX: 24-36 MHz, TX: 28-29.7 MHz. **UT-50S:** 50MHz, 50 W, RX: 46-57 MHz, TX: 50-54 MHz. **UT-220S:** 220 MHz, 25 W, RX: 215-230 MHz, TX: 220-225 MHz. **UT-1200:** 1200 MHz, 10 W, 1240-1300 MHz. **DTU-2:** digital paging unit. **PG-4K,** **PG-4L:** remote cable kit. **MB-11:** extra mounting bracket. **PG-2N:** extra DC cable. **PG-3B:** DC line noise filter. **TSU-7:** CTCSS encode/decode unit.

**KENWOOD U.S.A. CORPORATION**  
COMMUNICATIONS & TEST EQUIPMENT GROUP  
P.O. BOX 22745, 2201 E. Dominguez Street  
Long Beach, CA 90801-5745  
**KENWOOD ELECTRONICS CANADA INC.**  
P.O. BOX 1075, 959 Gana Court  
Mississauga, Ontario, Canada L4T 4C2

Kenwood meets or exceeds all specifications. Contact your dealer for a complete listing of specifications and accessories. Specifications are subject to change without notice. Complete service manuals are available for all Kenwood transceivers and most accessories. One year warranty in the U.S.A. only.

# KENWOOD

...pacesetter in Amateur Radio

# RADIO AMATEURS of NORTH AMERICA

VOLUME 70  
NUMBER 1

Including Hawaii and  
the U.S. Possessions

WINTER 1991-92

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Any errors should be immediately called to the Company's attention.

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IC-781  
HF TRANSCEIVER

Nothing compares to the captivating experience of operating the finest transceiver on the market, the IC-781. The exhilaration of operating the IC-781 is matched only by the luxury of its crystal clear communications.

Designed for rigorous operation, the IC-781 is the result of extreme dedication, exceptional craftsmanship and precision engineering. The IC-781 fuses the perfect blend of features such as driving power, incredible clarity, a Multi-Function CRT Display, Spectrum Scope and Icom's exclusive DDS System to achieve unbeatable HF operation worldwide.

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First In Communications

# TABLE OF ALLOCATION OF INTERNATIONAL CALL SIGN SERIES

As Issued by the International Telecommunications Union and Others

AAA-ALZ	United States of America	ONA-OTZ	Belgium	ZPA-ZPZ	Paraguay	9GA-9GZ	Ghana
AMA-AOZ	Spain	OUA-OZZ	Denmark	ZQA-ZQZ	Great Britain & No. Ireland	9HA-9HZ	Malta
APA-ASZ	Pakistan	PAA-PIZ	Netherlands	ZRA-ZUZ	South Africa-Namibia	9IA-9JZ	Zambia
ATA-AWZ	India	PJA-PJZ	Netherlands Antilles	ZVA-ZZZ	Brazil	9KA-9KZ	Kuwait
AXA-AXZ	Australia	PKA-POZ	Indonesia			9LA-9LZ	Sierra Leone
AYA-AZZ	Argentina	PPA-PYZ	Brazil	2AA-2ZZ	Great Britain & No. Ireland	9MA-9MZ	Malaysia
		PZA-PZZ	Surinam			9NA-9NZ	Nepal
BAA-BZZ	China			3AA-3AZ	Monaco	9OA-9TZ	Zaire
CAA-CEZ	Chile	QAA-QZZ	Q Signals	3BA-3BZ	Mauritius	9UA-9UZ	Burundi
CFA-CKZ	Canada			3CA-3CZ	Equatorial Guinea	9VA-9VZ	Singapore
CLA-CMZ	Cuba	RAA-RZZ	Union of Soviet Socialist Rep.	3DA-3DM	Swaziland	9WA-9WZ	Malaysia
CNA-CNZ	Morocco			3DN-3DZ	Fiji	9XA-9XZ	Rwanda
COA-COZ	Cuba	SAA-SMZ	Sweden	3EA-3FZ	Panama	9YA-9ZZ	Trinidad and Tobago
CPA-CPZ	Bolivia	SNA-SRZ	Poland	3GA-3GZ	Chile		
COA-CUZ	Portugal	SSA-SSM	Egypt	3HA-3UZ	China	A2A-A2Z	Botswana
CVA-CXZ	Uruguay	SSN-STZ	Sudan	3VA-3VZ	Tunisia	A3A-A3Z	Tonga
CYA-CZZ	Canada	SUA-SUZ	Egypt	3WA-3WZ	Vietnam	A4A-A4Z	Oman
		SVA-SZZ	Greece	3XA-3XZ	Guinea	A5A-A5Z	Bhutan
DAA-DRZ	Fed. Rep. of Germany (West)	TAA-TCZ	Turkey	3YA-3YZ	Norway	A6A-A6Z	United Arab Emirates
DSA-DTZ	South Korea	TDA-TDZ	Guatemala	3ZA-3ZZ	Poland	A7A-A7Z	Qatar
DUA-DZZ	Philippines	TEA-TEZ	Costa Rica			A8A-A8Z	Liberia
EAA-EHZ	Spain	TFA-TFZ	Iceland	4AA-4CZ	Mexico	A9A-A9Z	Bahrain
EIA-EJZ	Ireland	TGA-TGZ	Guatemala	4DA-4IZ	Philippines		
EKA-EKZ	Union of Soviet Socialist Rep.	THA-THZ	France	4JA-4LZ	Union of Soviet Socialist Rep.	C2A-C2Z	Nauru
ELA-ELZ	Liberia	TIA-TIZ	Costa Rica	4MA-4MZ	Venezuela	C3A-C3Z	Andorra
EMA-EOZ	Union of Soviet Socialist Rep.	TJA-TJZ	Cameroon	4NA-4OZ	Yugoslavia	C4A-C4Z	Cyprus
EPA-EOZ	Iran	TKA-TKZ	France	4PA-4SZ	Sri Lanka	C5A-C5Z	The Gambia
ERA-ESZ	Union of Soviet Socialist Rep.	TLA-TLZ	Central African Republic	4TA-4TZ	Peru	C6A-C6Z	Bahamas
ETA-ETZ	Ethiopia	TMA-TMZ	France	4UA-4UZ	United Nations	C7A-C7Z	World Meteorological Organization
EUA-EWZ	Byelorussian SSR	TNA-TNZ	Congo	4VA-4VZ	Haiti		Mozambique
EXA-EZZ	Union of Soviet Socialist Rep.	TOA-TQZ	France	4WA-4WZ	North Yemen	C8A-C9Z	
		TRA-TRZ	Gabon	4XA-4XZ	Israel		
FAA-FZZ	France	TSA-TSZ	Tunisia	4YA-4YZ	Intl. Civil Aviation Org.	D2A-D3Z	Angola
		TTA-TTZ	Chad	4ZA-4ZZ	Israel	D4A-D4Z	Cape Verde
GAA-GZZ	Great Britain & No. Ireland	TUA-TUZ	Ivory Coast			D5A-D5Z	Liberia
		TVA-TXZ	France	5AA-5AZ	Libya	D6A-D6Z	Comoros
HAA-HAZ	Hungary	TYA-TYZ	Benin	5BA-5BZ	Cyprus	D7A-D9Z	South Korea
HBA-HBZ	Switzerland	TZA-TZZ	Mali	5CA-5CZ	Morocco		
HCA-HCZ	Ecuador			5HA-5IZ	Tanzania	E2A-E2Z	Thailand
HEA-HEZ	Switzerland	UAA-UQZ	Union of Soviet Socialist Rep.	5JA-5KZ	Colombia		
HFA-HFZ	Poland	URA-UTZ	Ukrainian Soviet Socialist Rep.	5LA-5MZ	Liberia	H2A-H2Z	Cyprus
HGA-HGZ	Hungary	UUA-UZZ	Union of Soviet Socialist Rep.	5NA-5OZ	Nigeria	H3A-H3Z	Panama
HHA-HHZ	Haiti			5PA-5OZ	Denmark	H4A-H4Z	Solomon Is.
HIA-HIZ	Dominican Republic	VAA-VGZ	Canada	5RA-5SZ	Madagascar	H6A-H7Z	Nicaragua
HJA-HKZ	Colombia	VHA-VNZ	Australia	5TA-5TZ	Mauritania	H8A-H9Z	Panama
HLA-HLZ	Rep. of Korea (South)	VOA-VOZ	Canada	5UA-5UZ	Niger		
HMA-HMZ	Dem. People's Rep. of Korea	VPA-VSZ	Great Britain & No. Ireland	5VA-5VZ	Togo	J2A-J2Z	Djibouti
(North)		VTA-VWZ	India	5WA-5WZ	Western Samoa	J3A-J3Z	Grenada
HNA-HNZ	Iraq	VXA-VYZ	Canada	5XA-5XZ	Uganda	J4A-J4Z	Greece
HOA-HPZ	Panama	VZA-VZZ	Australia	5YA-5ZZ	Kenya	J5A-J5Z	Guinea Bissau
HOA-HRZ	Honduras					J6A-J6Z	St. Lucia
HSA-HSZ	Thailand	WAA-WZZ	United States of America	6AA-6BZ	Egypt	J7A-J7Z	Dominica
HTA-HTZ	Nicaragua			6CA-6CZ	Syria	J8A-J8Z	St. Vincent and the Grenadines
HUA-HUZ	El Salvador	XAA-XIZ	Mexico	6DA-6JZ	Mexico		
HVA-HVZ	Vatican City State	XJA-XOZ	Canada	6KA-6NZ	Rep. of Korea (South)	L2A-L9Z	Argentina
HWA-HYZ	France	XPA-XPZ	Denmark	6OA-6OZ	Somalia		
HZA-HZZ	Saudi Arabia	XQA-XRZ	Chile	6PA-6SZ	Pakistan	P2A-P2Z	Papua New Guinea
		XSA-XSZ	China	6TA-6UZ	Sudan	P3A-P3Z	Cyprus
IAA-IZZ	Italy	XTA-XTZ	Voltaic Republic	6VA-6WZ	Senegal	P4A-P4Z	Aruba
		XUA-XUZ	Cambodia	6XA-6XZ	Madagascar	P5A-P9Z	Dem. People's Rep. of Korea (North)
JAA-JSZ	Japan	XVA-XVZ	Vietnam	6YA-6YZ	Jamaica		
JTA-JVZ	Mongolia	XWA-XWZ	Laos	6ZA-6ZZ	Liberia		
JWA-JXZ	Norway	XXA-XXZ	Portugal	7AA-7IZ	Indonesia	S2A-S3Z	Bangladesh
JYA-JYZ	Jordan	XYA-XZZ	Myanmar	7JA-7NZ	Japan	S6A-S6Z	Singapore
JZA-JZZ	Indonesia			7OA-7OZ	South Yemen	S7A-S7Z	Seychelles
		YAA-YAZ	Afghanistan	7PA-7PZ	Lesotho	S9A-S9Z	Sao Tome & Principe
KAA-KZZ	United States of America	YBA-YHZ	Indonesia	7QA-7QZ	Malawi		
		YIA-YIZ	Iraq	7RA-7RZ	Algeria	T2A-T2Z	Tuvalu
LAA-LNZ	Norway	YJA-YJZ	Vanuatu	7SA-7SZ	Sweden	T3A-T3Z	Kiribati
LOA-LWZ	Argentina	YKA-YKZ	Syria	7TA-7YZ	Algeria	T4A-T4Z	Cuba
LXA-LXZ	Luxembourg	YLA-YLZ	Union of Soviet Socialist Rep.	7ZA-7ZZ	Saudi Arabia	T5A-T5Z	Somalia
LYA-LYZ	Union of Soviet Socialist Rep.	YMA-YMZ	Turkey			T6A-T6Z	Afghanistan
LZA-LZZ	Bulgaria	YNA-YNZ	Nicaragua	8AA-8IZ	Indonesia	T7A-T7Z	San Marino
		YOA-YRZ	Romania	8JA-8NZ	Japan		
MAA-MZZ	Great Britain & No. Ireland	YSA-YSZ	El Salvador	8OA-8OZ	Botswana	V2A-V2Z	Antigua
		YTA-YUZ	Yugoslavia	8PA-8PZ	Barbados	V3A-V3Z	Belize
NAA-NZZ	United States of America	YVA-YYZ	Venezuela	8QA-8QZ	Maldives Is.	V4A-V4Z	St. Kitts and Nevis
		YZA-YZZ	Yugoslavia	8RA-8RZ	Guyana	V5A-V5Z	Namibia
				8SA-8SZ	Sweden	V6A-V6Z	Fed. States of Micronesia
OAA-OCZ	Peru	ZAA-ZAZ	Albania	8TA-8YZ	India	V7A-V7Z	Marshall Is.
ODA-ODZ	Lebanon	ZBA-ZJZ	Great Britain & No. Ireland	8ZA-8ZZ	Saudi Arabia	V8A-V8Z	Brunei
OEA-OEZ	Austria	ZKA-ZMZ	New Zealand				
OFA-OJZ	Finland	ZNA-ZOZ	Great Britain & No. Ireland	9BA-9DZ	Iran	Y2A-Y9Z	Federal Republic of Germany (East)
OKA-OMZ	Czechoslovakia			9EA-9FZ	Ethiopia	Z2A-Z2Z	Zimbabwe



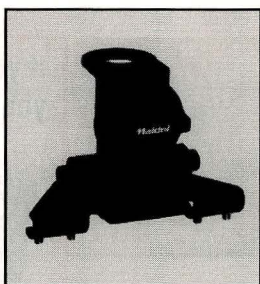
HF-VHF (MR1000) VHF-UHF (MR2000)

Power & SWR Meter

**MR1000 .....\$109.00**

**MR2000 .....\$129.00**

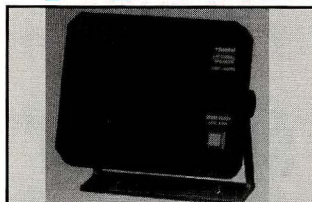
Freq. Range: 3.5-200MHz/130-512 MHz  
Meas. Pow. Ranges: 0-50W/0-200W CW  
Input Impedance: 50Ω  
Insertion Loss: Less than 0.5dB  
Residual SWR: Within 1.2  
145MHz (MR1000)/435MHz (MR2000)  
Connector: SO239 (MR1000), N (MR2000)  
Size: 2.75" x 6.22" x 4.41" (HxWxD)  
Weight: 1.25 lbs.



Trunk/Hatch Mount  
**BM1 .....\$29.00**  
Matte Black Finish

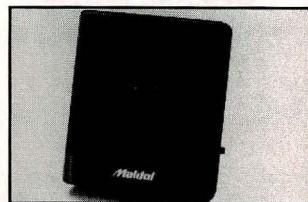
Zinc Die-Cast  
Adjustable Mounting Angle  
Weight: .76 lbs.  
Features: Inserts for the protection of your vehicle while mounted.

# Maldol



Speaker  
**HSP6000 .....\$29.00**

4 Inch fixed cone speaker with high quality noise filter  
Max. Input: 15W  
Impedance: 8Ω  
Weight: .94 lbs.  
Connector: 3.5 mm plug  
Size: 4.33" x 5.32" x 2.13" (HxWxD)



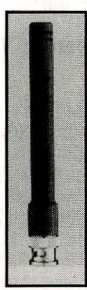
Speaker  
**HSP7000 .....\$37.00**

2.75 Inch fixed cone speaker (high quality, deluxe magnet mount type)  
Max. Input: 8W  
Impedance: 8Ω  
Weight: .67 lbs.  
Connector: 3.5 mm plug  
Size: 3.51" x 4.06" x 1.42" (HxWxD)

## Handy Whip Antennas 144/430 MHz



HS2RB  
(144MHz)



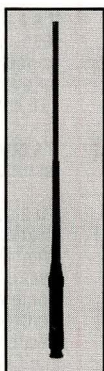
HS70RB  
(440MHz)

**HS2RB ....\$12.80**

**HS70RB ..\$12.80**

Material: Silicone Rubber  
Max. Input: 5W (FM)  
Length: 4.33 "/110mm  
Weight: .05 lbs.  
Connector: BNC- Male

## 3 Band HT Deluxe Black Whip



144/440/900MHz  
**HG600B ..\$37.80**

Freq.: 144/430/900MHz  
Gain: -- (144MHz)  
1.9dB (430MHz)  
3.6dB (900MHz)  
Max. Input: 10W (FM)  
Length: 12.5 "/320 mm  
Weight: .16 lbs.  
Connector: BNC- Male

## 10 Meter Horizontal Beam



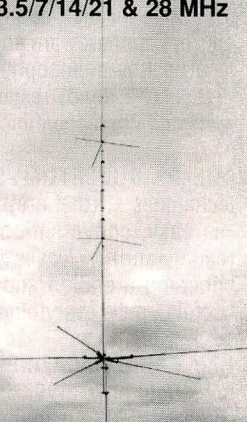
28 MHz  
**28HS2HB.....\$99.50**

Max. Input: 500W (SSB), 250W (FM)  
Gain: Better than 6.0 dB  
FBR: Better than 16 dB  
Element Length: 5,400 mm/17' 8"  
Boom Length: 1,340 mm/4' 5"  
Shipping Weight: 7 lbs., 13 oz.  
Connector: SO239 Jack

Watch for our comprehensive range of Amateur products from "Maldol", one of the world's leading manufacturers of communications antennas and accessories.

## 5 Band HF Vertical 3.5/7/14/21 & 28 MHz

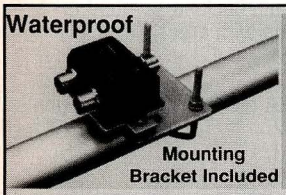
Adjustable Radiator & Radials



**HSVK5JR.....\$287.00**

Max. Input: 500W SSB, 250W CW,  
3.5 MHz - 200W SSB  
Height: 20', Radial: 10' 2"  
Shipping Weight: 17 lbs., 8 oz.  
Connector: SO239 Jack  
UPS Shippable

## LOW-LOSS DUPLEXERS



**HS790WP**

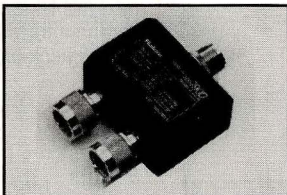
Frequency: 1.6-150MHz (LPF)/410-460MHz (HPF)  
Power: 1.6-30MHz 500W(F3) 1kW (A3J)  
30-150MHz 300W (F3) 500W(A3J)  
410-460MHz 300W(F3) 500W (A3J)  
Insertion Loss: 1.6-150MHz 0.15dB  
410-460MHz 0.25dB

VSWR: Less than 1.2  
Isolation: 60dB more  
Size: 1.2" x 2.5" x 1.9" (HxWxD) (Excluding Protuberance)  
Input Connectors: SO239

**HS790WP...\$58.00**

Direct Link  
Output: SO239 x 2

All Maldol products are covered by EasyTech's 30 day money back guarantee. All returned products must be complete in original packaging.



**HS790D/DN**

**HS790D .....\$47.50**  
Direct Link  
Output: PL259 x 2

**HS790DN ...\$47.50**

Direct Link  
Output: PL259 x 1, N x 1

# EASYTECH

THE ELECTRONICS SOURCE

VISA

2917 Bayview Drive  
Fremont, CA 94538

MasterCard

**Easy Order: 1-800-582-4044**

**Easy Fax: 1-800-582-1255**

**International Fax: 1-510-770-2346**

**Customer Service: 1-510-770-2345**

Monday-Friday, 7am - 5pm (PST)/10am-8pm (EST)

☒ COD-No personal checks, US funds (\$5.00 Surcharge)

☒ USPS

☒ UPS

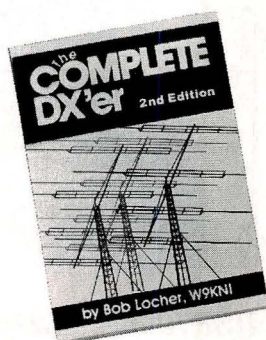
☒ Federal Express

☒ Airborne

Add 5% of total for shipping UPS Ground (\$3.00 min.).  
Actual shipping charges based on weight.

Call or write today for your free copy of our catalog.

California residents, add appropriate sales tax.  
12 month warranty on all EasyTech products.  
30 day money back guarantee.  
We reserve the right to substitute manufacturers.  
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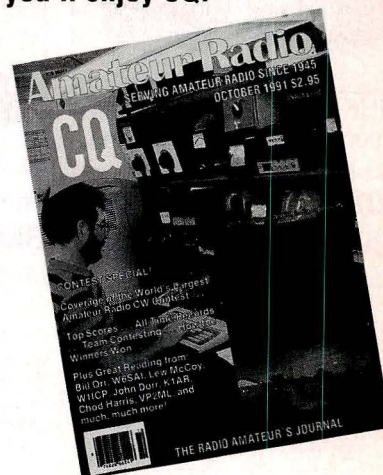
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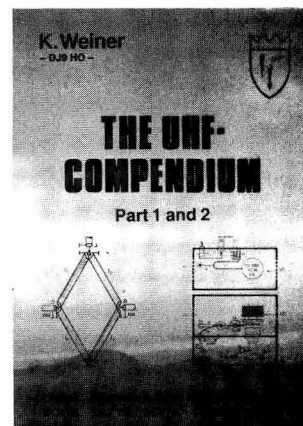
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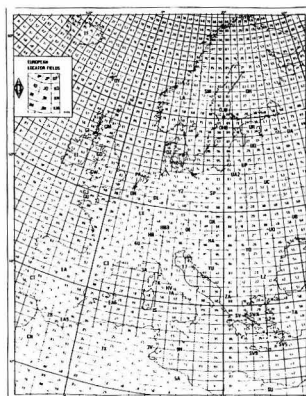


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# CENSUS OF AMATEUR RADIO LICENSES\* in the U.S.A.

by classes, within states and call areas

Call Area	State	Novice	Technician	General	Advanced	Extra	Club	Military	State Totals	Percent of Licenses
1	CT	1,724	1,717	1,836	1,442	935	48	1	7,703	1.46%
	MA	2,285	3,413	3,222	2,549	1,628	77	3	13,177	2.50
	ME	568	688	934	595	361	10	1	3,157	.60
	NH	590	972	878	638	514	12	1	3,605	.68
	RI	400	592	503	316	244	19	1	2,075	.39
	VT	<u>236</u>	<u>368</u>	<u>389</u>	<u>284</u>	<u>177</u>	<u>8</u>		<u>1,462</u>	<u>.28</u>
		5,803	7,750	7,762	5,824	3,859	174	7	31,179.5	.90%
2	GU	168	65	36	39	27			335	.06
	NJ	2,598	3,836	3,306	3,023	1,794	148	7	14,712	2.79
	NY	6,912	7,600	6,574	5,495	3,086	166	14	29,847	5.66
	VI	45	57	68	56	31			257	.05
		9,723	11,558	9,984	8,613	4,938	314	21	45,151	8.56%
3	DC	86	75	125	95	73	3	3	460	.09
	DE	211	331	270	221	169	4	1	1,207	.23
	MD	1,537	2,328	2,126	2,073	1,245	52	9	9,370	1.78
	PA	<u>3,746</u>	<u>5,215</u>	<u>4,839</u>	<u>4,095</u>	<u>2,333</u>	<u>113</u>	<u>12</u>	<u>20,353</u>	<u>3.86</u>
		5,580	7,949	7,360	6,484	3,820	172	25	31,390	5.96%
4	AL	1,096	2,389	1,642	1,470	844	22	2	7,465	1.42
	FL	6,398	8,093	8,094	6,566	3,206	65	3	32,425	6.15
	GA	1,500	3,153	2,376	2,168	1,125	35	3	10,360	1.97
	KY	1,178	1,766	1,347	1,049	591	18	2	5,951	1.13
	NC	1,854	3,326	2,727	2,448	1,240	35	3	11,633	2.21
	PR	3,754	1,999	631	486	210	3	1	7,084	1.34
	SC	687	1,323	1,213	945	499	56	2	4,725	.90
	TN	1,513	3,255	2,042	2,036	1,038	35	3	9,922	1.88
	VA	<u>2,048</u>	<u>3,192</u>	<u>2,901</u>	<u>2,678</u>	<u>1,570</u>	<u>33</u>	<u>4</u>	<u>12,426</u>	<u>2.36</u>
		20,028	28,496	22,973	19,846	10,323	302	23	101,991	19.36%
5	AR	615	1,308	932	886	461	14	1	4,217	.80
	LA	959	1,511	1,366	1,280	671	24	3	5,814	1.10
	MS	535	936	789	714	352	8	2	3,336	.63
	NM	399	914	822	763	445	10		3,353	.64
	OK	1,131	2,022	1,378	1,389	678	25	1	6,624	1.26
	TX	<u>4,486</u>	<u>9,183</u>	<u>7,183</u>	<u>6,720</u>	<u>3,622</u>	<u>96</u>	<u>6</u>	<u>31,296</u>	<u>5.94</u>
		8,125	15,874	12,470	11,752	6,229	177	13	54,640	10.37%
6	CA	15,636	24,383	15,872	14,877	6,819	328	22	77,937	15.21
	HI	690	679	571	494	273	11	4	2,722	.52
	TT	<u>10</u>		<u>5</u>	<u>9</u>	<u>9</u>	<u>1</u>	<u>9</u>	<u>43</u>	
		16,336	25,062	16,448	15,380	7,101	340	35	80,702	15.74%
7	AK	438	527	592	456	269	8	5	2,295	.44
	AZ	1,257	3,027	2,312	2,113	1,038	17	1	9,765	1.85
	ID	413	711	656	475	239	9		2,503	.47
	MT	369	428	550	386	225	12		1,970	.37
	NV	363	735	717	509	299	10		2,633	.50
	OR	1,654	2,524	2,421	1,806	929	27	1	9,362	1.78
	UT	787	1,642	656	661	363	10	2	4,121	.78
	WA	3,174	4,965	4,087	3,183	1,763	48	7	17,227	3.27
	WY	<u>232</u>	<u>311</u>	<u>265</u>	<u>195</u>	<u>137</u>	<u>4</u>		<u>1,144</u>	<u>.22</u>
		8,687	14,870	12,256	9,784	5,262	145	16	51,020	9.68%
8	AS	12		9	4	2		1	28	.01
	MI	2,802	4,487	4,072	3,340	1,747	71	1	16,520	3.13
	OH	4,347	7,897	5,279	4,557	2,444	129	1	24,654	4.68
	WV	<u>933</u>	<u>1,199</u>	<u>839</u>	<u>634</u>	<u>394</u>	<u>15</u>	<u>2</u>	<u>4,016</u>	<u>.76</u>
		8,094	13,583	10,199	8,535	4,587	215	5	45,218	8.58%
9	IL	3,696	5,430	4,723	3,926	2,145	124	13	20,057	3.81
	IN	2,161	3,623	2,611	2,219	1,166	83		11,863	2.25
	WI	<u>1,356</u>	<u>1,958</u>	<u>2,084</u>	<u>1,673</u>	<u>888</u>	<u>38</u>		<u>7,997</u>	<u>1.52</u>
		7,213	11,011	9,418	7,818	4,199	245	13	39,917	7.58%
10	CO	1,326	2,300	2,030	1,734	968	23		8,381	1.59
	IA	1,061	1,277	1,445	1,344	602	33	2	5,764	1.09
	KS	1,047	1,364	1,479	1,069	566	29	1	5,555	1.05
	MN	1,379	2,039	2,228	1,842	922	49	1	8,460	1.61
	MO	1,546	2,429	2,464	2,036	1,069	49	1	9,594	1.82
	ND	267	295	345	231	117	7		1,262	.24
	NE	515	765	961	744	304	23		3,312	.63
	SD	<u>184</u>	<u>271</u>	<u>343</u>	<u>296</u>	<u>142</u>	<u>10</u>		<u>1,246</u>	<u>.24</u>
		7,325	10,740	11,295	9,296	4,690	223	5	43,574	8.27%
Grand Total		<u>96,914</u>	<u>146,893</u>	<u>120,165</u>	<u>103,332</u>	<u>55,008</u>	<u>2,307</u>	<u>163</u>	<u>524,782</u>	
Percent of total licenses		18.41%	27.89%	22.82%	19.91%	10.50%	0.44%	0.03%		

\* From the 1992 North American Callbook

# CENSUS OF AMATEUR RADIO LICENSES OF THE WORLD

Prefix	Country	Number of Radio Amateur Licenses Listed	Prefix	Country	Number of Radio Amateur Licenses Listed	Prefix	Country	Number of Radio Amateur Licenses Listed
AA-AL	U.S.A. (See K,A,N,W)		K,A,N,W	U.S.A. (48 States)	512,015	XU	Cambodia	6
AP	Pakistan	93	KH2	Guam	335	XV	Vietnam	5
A2	Botswana	47	KH6	Hawaii	2,722	XW	Laos	4
A3	Tonga	83	KL7	Alaska	2,295	XX	Macao	40
A4	Oman	67	KP4	Puerto Rico	7,084	XZ	Myanmar	2
A5	Bhutan	5	KH8	American Samoa	28	YB-YH	Indonesia	65,871
A6	United Arab Emirates	3	KP2	U.S. Virgin Is.	257	YI	Iraq	1
A7	Qatar	21	LA-LJ	Norway	5,953	YJ	Vanuatu	36
A9	Bahrain Is.	68	LU-LW	Argentina	31,794	YK	Syria	14
B	China	57	LX	Luxembourg	403	YL	Latvia	334
BV	Taiwan	139	LY	Lithuania	925	YN	Nicaragua	380
CE-XQ	Chile	8,231	LZ	Bulgaria	1,453	YO	Romania	3,800
CMCO	Cuba	1,025	N	U.S.A. (See K,A,N,W)		YS	El Salvador	399
CN	Morocco	200	OA	Peru	2,156	YU,4N	Yugoslavia	6,671
CP	Bolivia	1,750	OD	Lebanon	53	YV,YW	Venezuela	20,739
CR-CU	Portugal	3,299	OE	Austria	5,910	Y2-Y9	Fed. Rep. of Germany (East)	4,474
CS3 CT3	Madeira Is.	145	OH,01	Finland	4,888	ZB2	Gibraltar	53
CU	Azores Is.	380	OK,OL	Czechoslovakia	5,351	ZC	Cyprus (Br. Forces)	44
CV,CX	Uruguay	3,530	ON	Belgium	5,081	ZD7	St. Helena Is.	11
C2	Nauru	16	OX,XP	Greenland	105	ZD8	Ascension Is.	47
C3	Andorra	460	OY	Faroes	120	ZD9	Tristan da Cunha and Gough Is.	13
C5	The Gambia	20	OZ	Denmark	10,377	ZF	Cayman Is.	128
C6	Bahama Is.	65	PA-PI	Netherlands	17,798	ZK1	Cook Is.	62
C8,C9	Mozambique	3	PJ	Curacao, Netherland Antilles	59	ZK2	Niue Is.	13
DA-DP	Fed. Rep. of Germany (West)	63,115	PJ	Bonaire, Netherland Antilles	4	ZL	New Zealand	6,538
DU-DZ	Philippines	4,097	PJ	Sint Eustatius, Netherlands Antilles	3	ZP	Paraguay	1,189
D2,D3	Angola	11	PJ	Saba, Netherlands Antilles	1	ZR,ZS	Rep. of South Africa	5,094
D4	Cape Verde	2	PJ	Sint Maarten, Netherlands Antilles	24	ZZ	Zimbabwe	105
D6	Comoros	26	PP-PY	Brazil	27,015	3A	Monaco	60
EA-EH	Spain	38,886	PY>	Fernando de Noronha Is.	13	3B6	Agalega Is.	4
EA6-EH6	Balearic Is.	1,011	PY>	Trindade & Martim Vaz Is.	3	3B7	St. Brandon Is.	4
EA8-EH8	Canary Is.	2,680	P2	Papua New Guinea	129	3B8	Mauritius Is.	45
EA9-EH9	Ceuta & Melilla	584	P4	Aruba	83	3B9	Rodriguez Is.	6
EI	Ireland	1,584	R,U,4K	Soviet Union	38,953	3C	Equatorial Guinea	10
EJ>	Aran Is.	5	SJ-SM	Sweden	12,746	3D2	Fiji Is.	83
EL,5L	Liberia	115	SN-SQ	Poland	7,417	3D6	Swaziland	48
EP	Iran	31	ST,6T,6U	Sudan	6	3V	Tunisia	4
ES	Estonia	503	SU	Egypt	29	3W	Vietnam	2
F	France	15,539	SV	Greece, Crete	1,182	4F	Philippines	18
FG	Guadeloupe	142	S7	Seychelles	26	4K	Soviet Union	16
FH	Mayotte	21	S8	Transkei	12	4N,40	Yugoslavia	36
FJ	St. Barthelémy	9	S9	Sao Tome & Principe	3	4S	Sri Lanka	131
FK	New Caledonia	137	TA-TC	Turkey	577	4U	United Nations	4
FM	Martinique	142	TF	Iceland	136	4X,4Z	Israel	1,174
FO	French Polynesia	323	TG	Guatemala	557	5A	Libya	2
FP	St. Pierre & Miquelon Is.	22	TI,TE	Costa Rica	1,404	5B	Cyprus	641
FR	Reunion Is.	131	Ti9	Cocos Is.	15	5H1	Zanzibar (Tanzania)	1
FS	St. Martin	2	TJ	Cameroon	23	5H3	Tanzania	23
FT	French Antarctica	6	TK	Corsica	131	5N	Nigeria	265
FW	Wallis & Futuna	1	TL	Central African Republic	26	5R	Madagascar	6
FY	French Guiana	95	TN	Congo	8	5T	Mauritania	11
G	England	60,534	TP	Council of Europe	1	5U	Niger	18
GD	Isle of Man	183	TR	Gabon	36	5V	Togo	11
GI	Northern Ireland	1,398	TT	Chad	6	5W	Western Samoa	145
GJ	Jersey	122	TU	Ivory Coast	356	5X	Uganda	5
GM	Scotland	3,607	TV-TX	France	1	5Z	Kenya	170
GU	Bailiwick of Guernsey	120	TY	Benin	7	6T,6U	Sudan	4
GW	Wales	3,409	TZ	Mali	14	6V,6W	Senegal	160
HA,HG	Hungary	5,070	T2	Tuvalu	11	6Y	Jamaica	172
HB	Switzerland	4,617	T3	Kiribati	52	7J	Japan	166
HB>	Liechtenstein	22	T4	Turkmenistan	52	7P	Lesotho	16
HC	Ecuador	2,050	T5	Somalia	4	7Q	Malawi	9
HC8	Galapagos Is.	37	T7	San Marino	52	7X	Algeria	104
HH	Haiti	142	VE	Canada	27,552	7Z	Saudi Arabia	2
HI	Dominican Republic	1,963	VK	Australia	21,601	8J-8N	Japanese Special Stations	43
HJ-HK	Colombia	7,723	VO1	Newfoundland	650	8P	Barbados Is.	264
HK>	San Andres & Providencia	117	VO2	Labrador	45	8Q	Maldives Is.	42
HL,HM	Korea	5,024	VP2E	Anguilla, Leeward Is.	40	8R	Guyana	20
HP	Panama	1,653	VP2M	Montserrat, Leeward Is.	137	9G	Ghana	180
HR	Honduras	287	VP2V	British Virgin Is., Leeward Is.	60	9H	Malta	436
HS	Thailand	394	VP5	Turks & Caicos Is.	79	9I,9J	Zambia	45
HV	Vatican City	2	VP8	British South Atlantic Is.	793	9K	Kuwait	180
HZ	Saudi Arabia	10	VP9	Bermuda	146	9L	Sierra Leone	34
H4	Solomon Is.	8	VR6	Chagos Archipelago	34	9M2	West Malaysia	266
H5	Bophuthatswana	11	VS6	Pitcairn Is.	8	9M6	Sabah	52
I-IZ	Italy	21,340	VU	Hong Kong	334	9M8	Sarawak	37
IA	Tuscan Archipelago	7	VY1	India	4,365	9N	Nepal	5
IC	Capri & Ischia Is.	36	VY2	Canadian Yukon	70	9Q	Zaire	9
IM-IS	Sardinia	406	V2	Prince Edward Is.	66	9U	Burundi	2
IT	Sicily	1011	V3	Antigua and Barbuda	50	9V	Singapore	78
JA-JS	Japan	35,688	V4	Belize	228	9X	Rwanda	33
JD1	Ogasawara	260	V5	St. Kitts and Nevis	62	9Y	Trinidad & Tobago	282
JT	Mongolia	53	V6	Federated	30			
JW	Svalbard Is.	49	V8	Brunei	76			
JX	Jan Mayen Is.	29	W	U.S.A. (See K,A,N,W)				
JY	Jordan	158	XE,XF	Mexico	5,623			
J2	Djibouti	41	XP	Greenland	1			
J3	Grenada	65	XQ	Chile	118			
J5	Guinea-Bissau	8	XT	Burkina-Faso	24			
J6	St. Lucia	180						
J7	Dominica	107						
J8	St. Vincent and the Grenadines	44						

\*From the 1992 RADIO AMATEUR CALLBOOKS.  
Absence of prefix and country indicates either that no licenses have been issued or that the license information could not be obtained from official sources.

# CENSUS OF U.S. AMATEURS BY STATE AND ZIP CODE

This table, compiled from the 1992 North American Callbook, lists the current U.S. amateur radio licenses for each Zip code prefix (the first 3 digits of the Zip code). Zip codes not shown have not been assigned by the U.S. Postal Service.

<b>ALABAMA</b> 1.69% of U.S. population	<b>AL</b>	952	658	<b>HAWAII</b> 0.39% of U.S. population	<b>HI</b>	672	758	<b>482</b>	788
Zip 350	632 licenses	953	1,233	Zip 967	1,737 licenses	673	213	483	373
351	475	954	1,261	968	1,013	674	345	484	850
352	1,082	955	429			675	242	485	359
354	250	956	2,573	<b>IDAHO</b> 0.35% of U.S. population	<b>ID</b>	676	130	486	768
355	208	957	291	Zip 832	249 licenses	677	62	487	312
356	609	958	1,271	833	193	678	178	488	944
357	342	959	1,237	834	345	679	34	489	264
358	828	960	785	835	150			490	1,500
359	437	961	151	836	519	<b>KENTUCKY</b> 1.58% of U.S. population	<b>KY</b>	491	287
360	230			837	522	Zip 400	327 licenses	492	697
361	294	<b>COLORADO</b> 1.10% of U.S. population	<b>CO</b>	838	525	401	174	493	494
362	314	Zip 800	1,168 licenses			402	1,153	494	984
363	360	801	963	<b>ILLINOIS</b> 5.45% of U.S. population	<b>IL</b>	403	410	495	653
364	110	802	1,320	Zip 600	3,394 licenses	404	142	496	485
365	374	803	510	601	2,686	405	495	497	402
366	486	804	568	602	130	406	64	498	496
367	198	805	973	603	149	407	151	499	263
368	233	806	186	604	1,908	408	56		
369	3	807	143	605	1,606	409	84	<b>MINNESOTA</b> 1.86% of U.S. population	<b>MN</b>
		808	197	606	2,047	410	526	Zip 550	750 licenses
<b>ALASKA</b> 0.15% of U.S. population	<b>AK</b>	809	967	609	210	411	342	551	1,343
Zip 995	945 licenses	810	418	610	574	412	66	552	1,122
996	431	811	75	611	475	413	25	553	1,888
997	608	812	202	612	409	414	8	554	44
998	236	813	138	613	295	415	133	555	385
999	75	814	131	614	306	416	116	556	303
		815	243	615	487	417	39	557	639
		816	179	616	334	418	386	560	405
<b>ARIZONA</b> 0.88% of U.S. population	<b>AZ</b>			617	463	420	386	561	133
Zip 850	2,076 licenses	<b>CONNECTICUT</b> 1.49% of U.S. population	<b>CT</b>	618	596	421	240	562	242
852	2,408	Zip 060	1,546 licenses	619	177	422	130	563	345
853	1,450	061	532	620	630	423	270	564	243
855	250	062	338	621	767	424	287	565	303
856	574	063	734	622	296	425	83	566	199
857	1,617	064	1,968	623	296	426	36	567	113
859	149	065	372	624	291	427	170		
860	293	066	284	625	399	<b>LOUISIANA</b> 1.80% of U.S. population	<b>LA</b>		
863	563	067	604	626	294	Zip 700	892 licenses	Zip 700	892 licenses
864	365	068	1,142	627	274	701	532	387	104
865	20	069	185	628	454	702	226	388	347
				629	406	703	612	389	79
<b>ARKANSAS</b> 0.95% of U.S. population	<b>AR</b>	<b>DELAWARE</b> 0.27% of U.S. population	<b>DE</b>	<b>INDIANA</b> 2.55% of U.S. population	<b>IN</b>	704	612	390	209
Zip 716	156 licenses	Zip 197	375 licenses	Zip 460	885 licenses	705	475	391	301
717	149	198	426	461	860	706	265	392	279
718	83	199	406	462	1,492	707	424	393	212
719	374			463	1,038	708	634	394	517
720	469	<b>DIST. OF COLUMBIA</b> 0.37% of U.S. population	<b>DC</b>	464	148	710	289	395	726
721	361	Zip 200	408 licenses	465	890	711	511	396	91
722	398	203	31	466	292	712	422	397	192
723	209	205	29	467	731	713	285		
724	340			468	794	714	247	<b>MISSOURI</b> 2.31% of U.S. population	<b>MO</b>
725	188	<b>FLORIDA</b> 3.40% of U.S. population	<b>FL</b>	469	832			Zip 630	1,217 licenses
726	375	Zip 320	1,466 licenses	470	190	<b>MAINE</b> 0.48% of U.S. population	<b>ME</b>	631	1,462
727	529	321	260	471	414	Zip 039	123 licenses	632	598
728	238	322	1,210	472	301	040	774	633	98
729	316	323	502	473	788	041	223	634	99
		324	512	474	442	042	278	635	151
<b>CALIFORNIA</b> 9.87% of U.S. population	<b>CA</b>	325	1,546	475	271	043	248	636	159
Zip 900	2,932 licenses	326	1,470	476	273	044	381	637	109
902	3,145	327	2,268	477	317	045	156	638	123
903	130	328	979	478	379	046	276	639	1,114
904	366	329	1,967	479	526	047	205	640	1,062
905	602	330	2,820			048	129	641	133
906	1,641	331	3,568	<b>IOWA</b> 1.38% of U.S. population	<b>IA</b>	049	364	642	150
907	1,917	332	41	Zip 500	378 licenses			643	96
908	1,206	333	1,474	501	288	<b>MARYLAND</b> 1.93% of U.S. population	<b>MD</b>	644	220
909	1,059	334	2,508	502	268	Zip 206	488 licenses	645	356
910	470	335	2,628	503	443	207	1,403	646	202
911	497	336	901	504	195	208	1,502	647	134
912	3,527	337	868	505	277	209	650	648	380
913	643	338	992	506	288	210	1,414	649	191
914	324	339	1,618	507	119	211	791	650	152
915	417	342	801	508	80	212	1,232	651	197
916	3,920	344	1	509	145	213	316	652	396
917	154	345	1	510	189	214	207	653	401
918	3,771	346	1,276	511	41	215	260	654	394
919	3,248	347	199	512	139	216	736		
920	973	348	436	513	56	217	239	<b>MONTANA</b> 0.34% of U.S. population	<b>MT</b>
921	3,532			514	241	218	120	Zip 590	159 licenses
922	370	<b>GEORGIA</b> 2.27% of U.S. population	<b>GA</b>	515	71	219		591	214
923	946	Zip 300	2,075 licenses	516	160			592	103
924	5,657	301	1,206	520	66	<b>MASSACHUSETTS</b> 2.77% of U.S. population	<b>MA</b>	593	130
925	1,373	302	1,696	521	236	Zip 010	856 licenses	594	234
926	778	303	1,089	522	358	011	190	595	68
927	1,749	304	117	523	379	012	373	596	155
928	687	305	627	524	472	013	176	597	393
929	1,004	306	387	525	260	014	613	598	312
930	488	307	426	526	404	015	708	599	202
931	1,307	308	158	527	379	016	223		
932	1,337	309	263	528	211	017	1,467	<b>NEBRASKA</b> 0.73% of U.S. population	<b>NE</b>
933	610	310	622			018	1,557	Zip 680	358 licenses
934	644	311	1	<b>KANSAS</b> 1.11% of U.S. population	<b>KS</b>	019	1,118	681	815
935	1	312	241	Zip 660	819 licenses	020	909	682	143
936	575	313	113	661	227	021	2,261	683	134
937	2,910	314	260	662	748	022	23	684	156
938	799	315	284	663	167	023	663	685	560
939	403	316	132	664	249	024	100	686	156
940	269	317	430	665	356	025	354	687	218
941	4,443	318	69	666	228	026	668	688	276
942	418	319	164	667	109	027	918	689	178
943	347			668	72			690	75
944	251	<b>GUAM</b>	<b>GU</b>	669	365	<b>MICHIGAN</b> 4.38% of U.S. population	<b>MI</b>	691	210
945	951	Zip 969	378 licenses	670	253	Zip 480	2,941 licenses	692	26
946	2,669			671		481	2,660	693	163
947	2,057								

# CENSUS OF U.S. AMATEURS BY STATE AND ZIP CODE

NEVADA NE  
0.24% of U.S. population  
Zip 890 400 licenses  
891 1,011  
893 16  
894 530  
895 461  
897 163  
898 52

NEW HAMPSHIRE NH  
0.35% of U.S. population  
Zip 030 1,403 licenses  
031 316  
032 447  
033 167  
034 218  
035 87  
036 38  
037 180  
038 749

NEW JERSEY NJ  
3.54% of U.S. population  
Zip 070 2,230 licenses  
071 176  
072 139  
073 117  
074 1,163  
075 133  
076 1,097  
077 1,359  
078 784  
079 601  
080 2,299  
081 219  
082 459  
083 430  
084 64  
085 519  
086 422  
087 830  
088 1,485  
089 96

NEW MEXICO NM  
0.50% of U.S. population  
Zip 870 229 licenses  
871 1,142  
873 34  
874 101  
875 439  
877 29  
878 43  
879 45  
880 618  
881 93  
882 336  
883 219  
884 25

NEW YORK NY  
8.91% of U.S. population  
Zip 100 947 licenses  
101 54  
102 7  
103 1,355  
104 569  
105 1,075  
106 82  
107 276  
108 108  
109 757  
110 502  
111 113  
112 1,330  
113 977  
114 637  
115 1,217  
116 107  
117 3,303  
118 214  
119 482  
120 775  
121 579  
122 212  
123 462  
124 412  
125 910  
126 228  
127 166  
128 416  
129 337  
130 863  
131 428  
132 477  
133 378  
134 599  
135 154  
136 401  
137 386  
138 453  
139 242  
140 1,019  
141 494  
142 831  
143 90  
144 762  
145 848  
146 1,057  
147 361

148 689  
149 130

NORTH CAROLINA NC  
2.50% of U.S. population  
Zip 270 389 licenses  
271 439  
272 834  
273 399  
274 450  
275 923  
276 793  
277 265  
278 548  
279 234  
280 735  
281 766  
282 699  
283 818  
284 440  
285 600  
286 887  
287 1,059  
288 275  
289 80

NORTH DAKOTA ND  
0.30% of U.S. population  
Zip 580 112 licenses  
581 189  
582 202  
583 94  
584 104  
585 237  
586 133  
587 164  
588 27

OHIO OH  
5.23% of U.S. population  
Zip 430 1,254 licenses  
431 580  
432 1,208  
433 427  
434 329  
435 622  
436 696  
437 369  
438 134  
439 504  
440 2,107  
441 2,109  
442 1,352  
443 618  
444 811  
445 326  
446 906  
447 444  
448 688  
449 277  
450 1,316  
451 729  
452 1,929  
453 1,551  
454 1,419  
455 208  
456 610  
457 357  
458 774

OKLAHOMA OK  
1.26% of U.S. population  
Zip 730 1,188 licenses  
731 1,192  
734 126  
735 416  
736 93  
737 277  
738 79  
739 50  
740 973  
741 960  
743 218  
744 339  
745 120  
746 134  
747 104  
748 262  
749 93

OREGON OR  
1.04% of U.S. population  
Zip 970 1,718 licenses  
971 756  
972 1,884  
973 1,355  
974 1,543  
975 854  
976 434  
977 364  
978 419  
979 35

PENNSYLVANIA PA  
5.74% of U.S. population  
Zip 150 1,024 licenses  
151 700  
152 1,154  
153 269  
154 245  
155 124

156 539  
157 204  
158 173  
159 232  
160 329  
161 449  
162 110  
163 360  
164 234  
165 349  
166 300  
167 86  
168 300  
169 166  
170 897  
171 217  
172 175  
173 523  
174 277  
175 433  
176 231  
177 270  
178 326  
179 187  
180 761  
181 235  
182 214  
183 229  
184 341  
185 159  
186 333  
187 212  
188 215  
189 851  
190 2,495  
191 1,226  
192 1  
193 747  
194 884  
195 279  
196 286

PUERTO RICO PR  
Zip 006 3,981 licenses  
007 2,011  
009 1,090

RHODE ISLAND RI  
0.47% of U.S. population  
Zip 028 1,536 licenses  
029 539

SOUTH CAROLINA SC  
1.28% of U.S. population  
Zip 290 357 licenses  
291 438  
292 348  
293 403  
294 766  
295 410  
296 1,292  
297 351  
298 232  
299 128

SOUTH DAKOTA SD  
0.32% of U.S. population  
Zip 570 246 licenses  
571 167  
572 160  
573 124  
574 124  
575 75  
576 25  
577 325

TENNESSEE TN  
1.94% of U.S. population  
Zip 370 832 licenses  
371 573  
372 604  
373 1,184  
374 390  
376 915  
377 759  
378 1,061  
379 903  
380 355  
381 1,341  
382 168  
383 395  
384 170  
385 272

TEXAS TX  
5.56% of U.S. population  
Zip 750 3,327 licenses  
751 934  
752 1,708  
753 23  
754 525  
755 230  
756 532  
757 561  
758 187  
759 296  
760 1,998  
761 1,438  
762 514  
763 414  
764 130

765 517  
766 220  
767 244  
768 122  
769 228  
770 2,945  
772 82  
773 1,001  
774 768  
775 1,667  
776 525  
777 215  
778 358  
779 299  
780 457  
781 351  
782 1,845  
783 256  
784 446  
785 564  
786 719  
787 1,208  
788 158  
789 125  
790 329  
791 282  
792 65  
793 201  
794 360  
795 164  
796 282  
797 613  
798 90  
799 782

UTAH UT  
0.52% of U.S. population  
Zip 840 1,632 licenses  
841 1,053  
843 289  
844 228  
845 120  
846 505  
847 294

VERMONT VT  
0.22% of U.S. population  
Zip 050 168 licenses  
051 89  
052 106  
053 72  
054 568  
056 191  
057 160  
058 105  
059 3

VIRGINIA VA  
2.28% of U.S. population  
Zip 220 1,610 licenses  
221 1,704  
222 372  
223 536  
224 228  
225 208  
226 282  
227 117  
228 201  
229 370  
230 265  
231 404  
232 696  
233 340  
234 815  
235 342  
236 661  
237 140  
238 240  
239 115  
240 621  
241 371  
242 325  
243 268  
244 274  
245 790  
246 131

VIRGIN ISLANDS VI  
Zip 008 259 licenses

WASHINGTON WA  
1.68% of U.S. population  
Zip 980 3,543 licenses  
981 2,436  
982 2,405  
983 2,094  
984 871  
985 1,179  
986 1,177  
987 85  
988 452  
989 536  
990 286  
991 408  
992 879  
993 834  
994 42

WEST VIRGINIA WV  
0.84% of U.S. population  
Zip 247 201 licenses

248 158  
249 64  
250 127  
251 197  
252 98  
253 252  
254 177  
255 242  
256 202  
257 193  
258 198  
259 109  
260 366  
261 399  
262 161  
263 228  
264 117  
265 302  
266 53  
267 99  
268 73

WISCONSIN WI  
2.15% of U.S. population  
Zip 530 904 licenses  
531 922  
532 1,071  
534 214  
535 677  
537 490  
538 45  
539 259  
540 166  
541 267  
542 213  
543 206  
544 686  
545 235  
546 258  
547 509  
548 282  
549 593

WYOMING WY  
0.16% of U.S. population  
Zip 820 307 licenses  
821 4  
822 82  
823 52  
824 81  
825 63  
826 196  
827 71  
828 89  
829 134  
830 28  
831 37

APO, FPO (MILITARY)  
Zip 090 144 licenses  
091 142  
092 77  
093 13  
094 15  
095 96  
096 53  
097 24  
098 10  
340 113  
962 61  
963 116  
964 8  
965 53  
966 135  
967 1,737

# DXCC COUNTRIES LIST

The ARRL Postwar Countries List is the official standard used in connection with the DX Century Club. To qualify for the DX Century Club Award, an applicant must submit confirmations from at least 100 different countries contacted after November 15, 1945, in accordance with the Postwar DXCC Rules. Copies of the DXCC Rules and an application form will be furnished by the ARRL on request.

AP-AS	Pakistan	KH4	Midway Is.	VP8, CE9, HF0, LU, 4K1	South Shetland Is.
A2	Botswana	KH5	Palmyra, Jarvis Is.	VP9	Bermuda Is.
A3	Tonga	KH5K	Kingman Reef	VO9	Chagos Arch.
A4	Oman	KH6	Hawaiian Is.	VR6	Pitcairn Is.
A5	Bhutan	KH7	Kure Is.	VS6	Hong Kong
A6	United Arab Emirates	KH8	American Samoa	VU	India
A7	Qatar	KH9	Wake Is.	VU	Andaman & Nicobar Is.
A9	Bahrain	KH0	Mariana Is.	VU	Laccadive Is.
BV	Taiwan	KL7	Alaska	V2	Antigua, Barbuda
BY, BT	China	KP1	Navassa Is.	V3	Belize
CA-CE	Chile	KP2	Virgin Is.	V4	St. Kitts and Nevis
CE9, AT0, DP0, FT8Y		KP4	Puerto Rico	V5	Namibia
KC4, LA, LU, OR4, UA1, UK1, VK0, VP8, Y8, ZL5, ZS1, ZX0, 3Y, 4K1, 8J		KP5	Desecheo Is.	V7	Marshall Is.
	Antarctica	LA-LN	Norway	V8	Brunei
CE0	Easter Is.	LO-LW	Argentina	XA-XI	Mexico
CE0	San Felix Is.	LX	Luxembourg	XA4-X14	Revilla Ggedo
CE0	Juan Fernandez Is.	LZ	Bulgaria	XT	Burkina-Faso
CM, CO	Cuba	OA-OC	Peru	XU	Kampuchea
CN	Morocco	OD	Lebanon	XV	Laos
CP	Bolivia	OE	Austria	XX9	Macao
CT	Portugal	OF-OI	Finland	XY, XZ	Myanmar
CT3	Madeira Is.	OH0	Aland Is.	YA	Afghanistan
CU	Azores	OJ0	Market Reef	YB-YH	Indonesia
CV-CX	Uruguay	OK-OM	Czechoslovakia	YI	Iraq
CY9	St. Paul Is.	ON-OT	Belgium	YJ	Vanuatu
CY0	Sable Is.	OX	Greenland	YK	Syria
C2	Nauru	OY	Faroes	YN	Nicaragua
C3	Andorra	OZ	Denmark	YO-YR	Romania
C5	The Gambia	PA-PI	Netherlands	YS	El Salvador
C6	Bahamas	PJ2, 3, 4	Bonaire, Curacao (Neth. Antilles)	YT, YU, YZ	Yugoslavia
C8, C9	Mozambique	PJ5, 6, 7, 8	Sint Maarten, Saba, & Sint Eustatius Is.	YV-YZ	Venezuela
DA-DR	Germany	PP-PY	Brazil	YV0	Aves Is.
DU-DZ	Philippines	PP0-PY0	Fernando de Noronha	ZA	Albania
D2, D3	Angola	PP0-PY0	St. Peter & St. Paul Rocks	ZB2	Gibraltar
D4	Cape Verde	PP0-PY0	Trindade & Martin Vaz Is.	ZC4	U.K. Sovereign Bases on Cyprus
D6	Comoros	P2	Surinam	ZD7	St. Helena
EA-EH	Spain	P2	Papua New Guinea	ZD8	Ascension Is.
EA6-EH6	Balearic Is.	P4	Aruba	ZD9	Tristan da Cunha & Gough Is.
EA8-EH8	Canary Is.	SA-SM	Sweden	ZF	Cayman Is.
EA9-EH9	Ceuta and Melilla	SN-SR	Poland	ZK1	South Cook Is.
EL-EJ	Ireland	ST	Sudan	ZK1	North Cook Is.
EL	Liberia	ST0	Southern Sudan	ZK2	Niue
EP-EQ	Iran	SU	Egypt	ZK3	Tokelau Is.
ET	Ethiopia	SV-SZ	Greece	ZL, ZM	New Zealand
F	France	SV5	Dodecanese Is.	ZL7	Chatham Is.
FG	Guadeloupe	SV9	Crete	ZL8	Kermadec Is.
FH	Mayotte	SV/A	Mount Athos	ZL9	Auckland Is. & Campbell Is.
FJ, FS	Saint Martin	S2	Bangladesh	ZP	Paraguay
FM	New Caledonia	S7	Seychelles	ZR-ZU	Rep. of South Africa
FO	Martinique	S9	Sao Tome & Principe	ZR2-ZU8	Prince Edward & Marion Is.
FP	Clipperton Is.	S0	Western Sahara	ZS9	Walvis Bay
FR/G	French Polynesia	TA-TC	Turkey	Z2	Zimbabwe
FR/J, FR/E	St. Pierre & Miquelon	TF	Iceland	1A0	Sovereign Military Order of Malta
FR	Glorioso Is.	TG, TD	Guatemala	1S	Spraty Is.
FR/T	Reunion	TI, TE	Costa Rica	3A	Monaco
FT8W	Tromelin	T19	Cocos Is.	3B6, 3B7	Agalega & St. Brandon Is.
FT8X	Crozet Is.	TJ	Cameroon	3B8	Mauritius Is.
FT8Y	Kerguelen Is.	TK	Corsica	3B9	Rodriguez Is.
FT8Z	Amsterdam & St. Paul Is.	TL	Central African Rep.	3C	Equatorial Guinea
FW	Wallis & Futuna Is.	TN	Congo	3C0	Pagalu Is.
FY	French Guiana	TR	Gabon	3D2	Fiji Is.
G	England	TT	Chad	3D2	Conway Reef
GD	Isle of Man	TU	Ivory Coast	3D2	Rotuma Is.
GI	Northern Ireland	TY	Benin	3DA	Swaziland
GJ	Jersey	TZ	Mali	3V	Tunisia
GM	Scotland	T2	Tuvalu	3W, XV	Vietnam
GU	Guernsey & Dependencies	T30	West Kiribati (Gilbert & Ocean Is.)	3X	Guinea
GW	Wales	T31	Cent. Kiribati (Br. Phoenix Is.)	3Y	Bouvet
HA, HG	Hungary	T32	East Kiribati (Line Is.)	3Y	Peter I Is.
HB	Switzerland	T33	Banaba Is.	4J	Malyi Vysotskij Is.
HB0	Liechtenstein	T7	Somalia	4P-4S	Sri Lanka
HC-HD	Ecuador	T5	San Marino	4U	I.T.U. Geneva
HC8-HD8	Galapagos Is.	UA1, 3, 4, 6	European R.S.F.S.R.	4U	UN Hq. New York
HH	Haiti	UA1	Franz Josef Land	4X, 4Z	Israel
HI	Dominican Republic	UA2	Kaliningrad	5A	Libya
HJ-HK	Colombia	UA9, UA0	Asiatic R.S.F.S.R.	5B	Cyprus
HK0	Malpelo Is.	UB, UT, UY	Ukraine	5H-5I	Tanzania
HK0	San Andres & Providencia	UC	Byelorussia	5N-5O	Nigeria
HL	Korea	UD	Azerbaijan	5R-5S	Madagascar
HO-HP	Panama	UF	Georgia	5T	Mauritania
HQ-HR	Honduras	UG	Armenia	5U	Niger
HS	Thailand	UH	Turkmenistan	5V	Togo
HV	Vatican	UI	Uzbekistan	5W	Western Samoa
HZ	Saudi Arabia	UJ	Tadzhikistan	5X	Uganda
H4	Solomon Is.	UL	Kazakhstan	5Y-5Z	Kenya
I	Italy	UM	Kirghizia	6V-6W	Senegal
IM0, IS0	Sardinia	UO	Moldavia	6Y	Jamaica
JA-JS	Japan	UP	Lithuania	70	Yemen
JD1	Minami-Tori-Shima	UQ	Latvia	7P	Lesotho
JD1	Ogasawara Is.	UR	Estonia	7Q	Malawi
JT-JV	Mongolia	VE, VO, VY	Canada	7T-7Y	Algeria
JW	Svalbard Is.	VK	Australia	8P	Barbados
JX	Jan Mayen Is.	VK9	Lord Howe Is.	8Q	Maldives Is.
JY	Jordan	VK9	Willis Is.	8R	Guyana
J2	Djibouti	VK9	Christmas Is.	8S	Ghana
J3	Grenada	VK9	Cocos (Keeling) Is.	9H	Malta
J5	Guinea-Bissau	VK9	Mellish Reef	9I-9J	Zambia
J6	St. Lucia	VK9	Norfolk Is.	9K	Kuwait
J7	Dominica	VK0	Heard Is.	9L	Sierra Leone
J8	St. Vincent & Dependencies	VK0	Macquarie Is.	9M2, 9M4	Malaysia
K, W, N, AA-AL	United States of America	VP2E	Anguilla	9M6, 9M8	Eastern Malaysia
KC6	(Western Caroline Is.)	VP2M	Montserrat	9N	Nepal
KG4	Guantanamo Bay	VP2V	British Virgin Is.	9Q-9T	Zaire
KH1	Baker, Howland Is.	VP5	Turks & Caicos Is.	9U	Burundi
KH2	Guam	VP8	Falkland Is.	9V	Singapore
KH3	Johnston Is.	VP8, LU	South Georgia Is.	9X	Rwanda
		VP8, LU	South Orkney Is.	9Y-9Z	Trinidad & Tobago
		VP8, LU	South Sandwich Is.		

# INTERNATIONAL "Q" SIGNALS

ABBREVIATIONS	QUESTIONS	ANSWERS OR ADVICE	ABBREVIATIONS	QUESTIONS	ANSWERS OR ADVICE
QRA	What is the name of your station?	The name of my station is ...	QSX	Will you listen to ... [call sign(s)] on ... kHz (or MHz)?	I am listening to [call sign(s)] on ... kHz (or MHz).
QRB	How far approximately are you from my station?	The approximate distance between our stations is ... nautical miles (or kilometers).	QSY	Shall I change to transmission on another frequency?	Change to transmission on another frequency (or on ... kHz (or MHz)).
QRD	Where are you bound and where are you from?	I am bound for ... from ...	QSZ	Shall I send each word or group or more than once?	Send each word or group twice (or ... times).
QRG	Will you tell me my exact frequency (or that of ...)?	Your exact frequency (or that of ...) is ... kHz (or MHz).	QTA	Shall I cancel telegram number ... as if it had not been sent?	Cancel telegram number ... as if it had not been sent.
QRH	Does my frequency vary?	Your frequency varies.	QTB	Do you agree with my counting of words?	I do not agree with your counting of words. I will repeat the first letter or digit of each word or group.
QRI	How is the tone of my transmission?	The tone of your transmission is 1. Good. 2. Variable. 3. Bad.	QTC	How many telegrams have you to send?	I have ... telegrams for you (or for ...).
QRK	What is the readability of my signals (or those of ...)?	The readability of your signals (or those of ...) is ... 1. Unreadable. 2. Readable now and then. 3. Readable, but with difficulty. 4. Readable. 5. Perfectly readable.	QTE	What is my TRUE bearing from you? or What is my TRUE bearing from ... (call sign)? or What is the TRUE bearing of (call sign) from ... (call sign)?	Your TRUE bearing from me is ... degrees (at ... hours). or Your TRUE bearing from ... (call sign) was ... degrees (at ... hours). or The TRUE bearing of ... (call sign) from (call sign) was ... degrees (at ... hours).
QRL	Are you busy?	I am busy (or I am busy with ...). Please do not interfere.	QTG	Will you send two dashes of ten seconds each followed by your call sign (repeated ... times) [on ... kHz (or MHz)]? or Will you request ... to send two dashes of ten seconds followed by his call sign (repeated ... times) on ... kHz (or MHz)?	I am going to send two dashes of ten seconds each followed by my call sign (repeated ... times) [on ... kHz (or MHz)]. or I have requested ... to send two dashes of ten seconds followed by his call sign (repeated ... times) on ... kHz (or MHz).
QRM	Are you being interfered with?	I am being interfered with.	QTH	What is your position in latitude and longitude (or according to any other indication)?	My position is ... latitude ... longitude (or according to any other indication).
QRN	Are you troubled by static?	I am troubled by static.	QTI	What is your TRUE track?	My TRUE track is ... degrees.
QRO	Shall I increase power?	Increase power.	Q TJ	What is your speed?	My speed is ... knots (or kilometers per hour).
QRP	Shall I decrease power?	Decrease power.	QTL	What is your TRUE heading?	My TRUE heading is ... degrees.
QRQ	Shall I send faster?	Send faster ( ... words per minute).	QTN	At what time did you depart from ... (place)?	I departed from ... (place) at ... hours.
QRR	Are you ready for automatic operation?	I am ready for automatic operation. Send at ... words per minute.	QTO	Have you left dock (or port)? or Are you airborne?	I have left dock (or port). or I am airborne.
QRS	Shall I send more slowly?	Send more slowly ( ... words per minute).	QTP	Are you going to enter dock (or port)? or Are you going to alight (or land)?	I am going to enter dock (or port). or I am going to alight (or land).
QRT	Shall I stop sending?	Stop sending.	QTO	Can you communicate with my station by means of the International Code of Signals?	I am going to communicate with your station by means of the International Code of Signals.
QRU	Have you anything for me?	I have nothing for you.	QTR	What is the correct time?	The correct time is ... hours.
QRV	Are you ready?	I am ready.	QTS	Will you send your call sign for minute(s) now (or at ... hours) [on ... kHz (or MHz)] so that your frequency may be measured?	I will send my call sign for minute(s) now (or at ... hours) [on ... kHz (or MHz)] so that my frequency may be measured.
QRW	Shall I inform ... that you are calling him on ... kHz (or MHz)?	Please inform ... that I am calling him on ... kHz (or MHz).	QTU	What are the hours during which your station is open?	My station is open from ... to ... hours.
QRX	When will you call me again?	I will call you again at ... hours [on ... kHz (or MHz)].	QTV	Shall I stand guard for you on the frequency of ... kHz (or MHz) (from ... to ... hours)?	Stand guard for me on the frequency of ... kHz (or MHz) (from ... to ... hours).
QRY	What is my turn?	Your turn is Number ... (relates to communication.)	QTX	Will you keep your station open for further communication with me until further notice (or until ... hours)?	I will keep my station open for further communication with you until further notice (or until ... hours).
QRZ	Who is calling me?	You are being called by ... [on ... kHz (or MHz)].	QUA	Have you news of ... (call sign)?	Here is news of ... (call sign).
QSA	What is the strength of my signals (or those of ...)?	The strength of your signals (or those of ...) is 1. Scarcely perceptible. 2. Weak. 3. Fairly good. 4. Good. 5. Very good.	QUB	Can you give me, in the following order, information concerning: visibility, height of clouds, direction and velocity of ground wind at ... (place of observation)?	Here is the information requested ...
QSB	Are my signals fading?	Your signals are fading.	QUC	What is the number (or other indication) of the last message you received from me [or from ... (call sign)]?	The number (or other indication) of the last message I received from you [or from ... (call sign)] is ...
QSD	Is my keying defective?	Your keying is defective.	QUD	Have you received the urgency signal sent by ... (call sign of mobile station)?	I have received the urgency signal sent by ... (call sign of mobile station) at ... hours.
QSG	Shall I send ... telegrams at a time?	Send ... telegrams at a time.	QUF	Have you received the distress signal sent by ... (call sign of mobile station)?	I have received the distress signal sent by ... (call sign of mobile station) at ... hours.
QSH	What is the charge to be collected per word to ... including your internal telegraph charge?	The charge to be collected per word to ... including my internal telegraph charge is ... francs.	QUG	Will you be forced to alight (or land)?	I am forced to alight (or land) immediately. or I shall be forced to alight (or land) at ... (position or place).
QSK	Can you hear me between your signals?	I can hear you between my signals.	QUH	Will you give me the present barometric pressure at sea level?	The present barometric pressure at sea level is ... (units).
QSL	Can you acknowledge receipt?	I am acknowledging receipt.			
QSM	Shall I repeat the last telegram which I sent you, or some previous telegram?	Repeat the last telegram which you sent me [or telegram(s) number(s) ...].			
QSN	Did you hear me [or ... (call sign)] on ... kHz (or MHz)?	I did hear you [or ... (call sign)] on ... kHz (or MHz)?			
QSO	Can you communicate with ... direct or by relay?	I can communicate with ... direct (or by relay through ...).			
QSP	Will you relay to ... free of charge?	I will relay to ... free of charge.			
QSQ	Have you a doctor on board [or is ... (name of person) on board)?	I have a doctor on board [or ... (name of person) is on board].			
QSU	Shall I send or reply on this frequency [or on ... kHz (or MHz)] (with emissions of class ...)?	Send or reply on this frequency [or on ... kHz (or MHz)] (with emissions of class ...).			
QSV	Shall I send a series of V's on this frequency [or ... kHz (or MHz)]?	Send a series of V's on this frequency [or ... kHz (or MHz)].			
QSW	Will you send on this frequency [or on ... kHz (or MHz)] (with emissions of class ...)?	I am going to send on this frequency [or on ... kHz (or MHz)] (with emissions of class ...).			

# QSL BUREAUS

A.K.N.W	First Call Area, All Calls: W1 QSL Bureau, Box 216, Forest Park Station, Springfield, MA 01108, USA	A9	ARAB QSL Bureau, Box 25425, Awali, Bahrain	GU	RSGB, c/o S.T. Henry GU4GNS, "The Hermitage", L'Ancrese, Vale, Guernsey
	Second Call Area, All Calls: North Jersey DX Assoc., Box 599, Morris Plains, NJ 07950, USA	BV	QSL Bureau, Box 30-547, Taipei, Taiwan	GW	RSGB, c/o K. Hudspeth GWMARK 67 Bloomfield Road, Blackwood, Gwent, Wales NP2 1LX, U.K.
	Third Call Area, All Calls: Cumberland County Amateur Radio Service, Box 448, New Kingstown, PA 17072, USA	BY1	Chinese Radio Sports Association, Box 6106, Beijing, China	HA,HG	Magyar Radioamator Szovetseg, Box 214, H-1368 Budapest 5, Hungary
	Fourth Call Area, All Single Letter Prefixes: Mecklenburg A.R.S., Box DX, Charlotte, NC 28220, USA	BY4	Chinese Radio Sports Association, Shanghai Branch, Box 205, Shanghai, China	HB	Cards for members only may be sent via USKA QSL Bureau, Box 15, CH-4705 Wangen an der Aare, Switzerland
	Fourth Call Area, All Two-Letter Prefixes: Sterling Park Amateur Radio Club, Call Box 599, Sterling Park, VA 22170, USA	BY5	Chinese Radio Sports Association, Fuzhou Branch, Box 730, Fuzhou, China	HBØ	Amateurfunk Verein Liechtenstein, Box 27, FL-9486 Schaanwald, Liechtenstein
	Fifth Call Area, All Calls: W5 QSL Bureau, Box 44246, Oklahoma City, OK 73144, USA	BY7	Chinese Radio Sports Association, Changsha Branch, Box 105, Changsha, China	HC	Guayaquil Radio Club (IARU member), Box 5757, Guayaquil, Ecuador
	Sixth Call Area, All Calls: Sixth (6th) District DX QSL Bureau, Box 1460, Sun Valley, CA 91352, USA	BY8	Chinese Radio Sports Association, Sichuan Branch, Box 607, Chengdu, China	HC1	Quito Radio Club, Box 289, Quito, Ecuador
	Seventh Call Area, All Calls: Willamette Valley DX Club Inc., Box 555, Portland, OR 97207, USA	BY9	Chinese Radio Sports Association, Gangsu Branch, Box 12, Lanzhou, China	HC5	Cuenca Radio Club, Box 307, Cuenca, Ecuador
	Eighth Call Area, All Calls: QSL Bureau, Box 182165, Columbus, OH 43218, USA	BYØ	Chinese Radio Sports Association, Xinjiang Branch, Box 202, Wulumuqi, China	HH	Radio Club of Haiti, Box 501, Port-Au-Prince, Haiti
	Ninth Call Area, All Calls: Northern Illinois DX Assoc., Box 519, Eimhurst, IL 60126, USA	CE,XQ	Radio Club de Chile Bureau (IARU member), Box 13630, Santiago, Chile or Federacion de Clubes de Radioaficionados de Chile, Box 72, Valparaiso, Chile	HI	Radio Club Dominicano (IARU member), Box 1157, Santo Domingo, Dominican Republic or UDR, Box 951, Santo Domingo, Dominican Republic
	Zero Call Area, All Calls: Zero QSL Bureau, Box 4798, Overland Park, KS 66204	CM1,C01	QSL Bureau, Box 253, Pinar del Rio 20100, Cuba	HI3	UDRA - Santiago, Box 449-3, Santiago, Dominican Republic
	Puerto Rico, All Calls: P.R. Amateur Radio Club, Box 1061, San Juan, Puerto Rico 00902, USA	CM2,C02	QSL Bureau, Box 1, Havana 10100, Cuba	HK	Liga Colombiana de Radioaficionados (IARU member), Box 584, Bogota, Colombia or Radio Club de Antioquia, Box 2500, Medellin, Colombia
	U.S. Virgin Islands, All Calls: Virgin Islands Amateur Radio Club, GPO Box 11360, Charlotte Amalie, Virgin Islands 00801, USA	CM3,C03	QSL Bureau, Box 16, Santa Cruz Norte 32900, P. Havana, Cuba	HK1	or AREA 2, Box 51327, Barranquilla, Colombia or Radio Club del Atlantico, Box 51378, Barranquilla, Colombia
	Hawaiian Islands, All Calls: QSL Bureau, Box 788, Wahiawa, HI 96786, USA	CM4,C04	QSL Bureau, Box 1390, Nueva Gerona, Isla de la Juventud 25100, Cuba		Liga Colombiana de Radioaficionados (IARU member), Box 6872, Cartagena, Colombia or Radio Club "Cartagena de Indias", Box 511, Cartagena, Colombia
	Alaska, All Calls: Alaska QSL Bureau, 4304 Garfield St., Anchorage, AK 99503, USA	CM5,C05	QSL Bureau, Box 55, Matanzas 40100, Cuba	HK7	or Radio Club Montelibano, Box 2800, Montelibano, Colombia
	SWL - Incoming cards only: Mike Witkowski WDX9JFT, 4206 Nebel Street, Stevens Point, WI 54481, USA	CM6,C06	QSL Bureau, Box 785, Santa Clara 50100, Cuba	HKØ	Radio Club Santander, Box 222, Bucaramanga, Colombia
KA	(2x2, except KA6 2x2) FEARL QSL Bureau, c/o Sam Fleming, DOL Sagami Facility, APO San Francisco 96343, USA	CM7,C07	QSL Bureau, Box 52, Camaguey 70100, Cuba	HL,HM	LCRA, Box 584, Bogota, Colombia
KA6,KR6	(2x2 calls only) John Nelson, Radio Club of Okinawa, Box 217, Torii Station, APO San Francisco 96331, USA	CM8,C08	QSL Bureau, Box 5, Santiago de Cuba 90100, ARRAM, Box 299, Rabat, Morocco		KARL, Central Box 162, Seoul 100-00, South Korea
KG4	(2x2 calls only) Guantanamo ARC, Box 73, FPO New York 09593, USA	CN	Radio Club Boliviano, Box 2800, Cochabamba, Bolivia	HL9	American Amateur Radio Club of Korea, Box 153, APO San Francisco 96206, USA
KH2,KG6	(Guam only) MARC, Box 445, Agana, Guam 96910, USA	CP	QSL Bureau, Box 1900, Cochabamba, Bolivia	HP	Liga Panamena de Radioaficionados (IARU member), Box 175, Panama 9A, Panama or Radio Club de Panama, Box 10745, Panama 4, Panama
KH3	QSL Bureau, Box 764, APO San Francisco 96305, USA	CP5	QSL Bureau, Box 393, Santa Cruz, Bolivia	HP2	Liga Panamena Radioaficionados, Box 568, Colon, Panama
KH4	QSL Bureau, Box 43, FPO AP 95616, USA	CP6	Rede dos Emissores Portugueses, Rua Dom Pedro V, No. 7-40, P-1200 Lisbon, Portugal	HP3	c/o Esteban McKay HP3ML, Box 587, David, Chiriqui, Panama
KHØ, KG6	(Saipan only) Box 7388 Capitol Hill, Saipan, CM 96950, USA	CR,CU	Radio Club of Uruguay, Box 37, Montevideo, Uruguay	HP5	or LPRA, Box 963, David, Chiriqui, Panama c/o Dr. Francisco Narvaez HP5FI, Box 153, Chitre, Panama
KM6	QSL Bureau, Box 43, FPO San Francisco 96614, USA	CX	Radio Club of Uruguay, Box 37, Montevideo, Uruguay	HR	Radio Club de Honduras (IARU member), Box 0273, San Pedro Sula, Honduras or Radio Club Tegucigalpa, Box 149-C, Tegucigalpa, Honduras
AP	Pakistan Amateur Radio Society, QSL Bureau, Box 65, Lahore, Pakistan	C2	Nauru Amateur Radio Club, QSL Bureau, Box 29, Nauru	HR2	Radio Club de Honduras, QSL Bureau, Box 273, San Pedro Sula, Cortes, Honduras
A2	Botswana Amateur Radio Society, QSL Bureau, Box 1873, Gaborone, Botswana	C3	Unio de Radioaficionados Andorrans, Box 150, La Vella, Andorra	HR5	c/o Noe Leopoldo Cruz HR5NC Santa Rosa de Copan, Honduras
A3	Amateur Radio Club of Tonga, Box 1553, Nuku Alofa, Tonga	C5	Radio Society of The Gambia, Box 2470, Serrekunda, The Gambia	HS	RAST QSL Bureau, GPO Box 2008, Bangkok, 10501 Thailand
A4	Royal Omani Amateur Radio Society, Box 981, Muscat, Oman	C6	Bahamas Amateur Radio Society, Box SS-6004, Nassau, Bahamas	HV	c/o Domenico Petty HV1CN, Radio Station, Vatican City
A6	QSL Bureau, Box 5708, Dubai, United Arab Emirates	DA-DR	DARC Amateurfunk Zentrum, Box 1155, D-3507 Baunatal 1, Germany	H4	SIRS, Box 418, Honiara, Solomon Islands
		DU-DZ,4F	PARA QSL Bureau, Box 4083, Manila, Philippines	I,I,Z	ARI-QSL Bureau, Via D. Scarlatti 31, I 20124 Milano ML (Italy)
		D4	LARCV, Box 145, Mindelo, Cape Verde	JA-JS	JARL, 1-14-2 Sugamo, Toshima, Tokyo, 170 Japan
		EA	URE, Union de Radioaficionados Espanoles, Box 220, E-28080 Madrid, Spain	JT	Radio Club Station JT1KAA, Box 639, Ulan Bator 13, Mongolia
		EI,EJ	Irish Radio Transmitters Society (IARU member), Box 462, Dublin 9, Ireland	JW,JX	NRRL, Box 21, Refstad, N-0513 Oslo 5, Norway
		EL,5L	Liberian Radio Amateur Association, Box 10-1477, 1000 Monrovia 10, Liberia	JY	Royal Jordanian Radio Amateur Society, Box 2353, Amman, Jordan
		EP	Anjoman-e Radio Amateuri-e Iran Box 16765/1187, Tehran, Iran	J2	ARAD QSL Bureau, Box 1076, Djibouti, Republic of Djibouti
		ES	QSL Bureau, Box 125, Tallinn 200090, Estonia, USSR	J3	QSL Bureau, Box 290, St. George's, Grenada, Windward Islands
		ET	ET3TRC Telecoms ARC, Box 1047, Addis Ababa, Ethiopia	J6	St. Lucia ARC, Box 489, Castries, St. Lucia, Windward Islands
		F	Cards for members only via REF QSL, BP 2129, F-37021 Tours Cedex, France or URC QSL Bureau, 11 Rue de Bordeaux, F-94700 Maisons-Alfort, France	J7	Dominica Amateur Radio Club, Box 389, Roseau, Dominica, Windward Islands
		FG,FJ,FM, FP,FS,FT	Cards for members only via REF QSL, BP 2129, F-37021 Tours Cedex, France	J8	QSL Bureau, Box 142, Kingstown, St. Vincent, Windward Islands
		FK	Cards for members only may be sent via ARANC, Box 3956, Noumea, New Caledonia	LA-LJ	Norsk Radio Relae Liga, Box 21, Refstad, N-0513 Oslo 5, Norway
		FO	Radio Club of French Polynesia, BP 5006, Piraie, Tahiti, French Polynesia	LU	Radio Club Argentina, Box 97, Correo Central, 1000 Buenos Aires, CF, Argentina
		FY	Cards for members only via REF QSL, BP 2129, F-37021 Tours Cedex, France or Radio Club de Guyane, Box 508, F-97300 Cayenne, French Guiana	LX	QSL Bureau, 25 rue A. Munchen, L-2172 Luxembourg, Luxembourg
		G	RSGB QSL Bureau, Box 1773, Potters Bar, Herts EN6 3EP, England, U.K.		
		GO	RSGB, c/o G.W. Ripley GD3AHV, "Corea Bungalow", Ronague Road, Ballasalla, Isle of Man, U.K.		
		GI	RSGB, c/o A. Higgins GI3YMT, 1 Cairnshill Park, Cairns Road, Belfast BT8 4RG, Northern Ireland, U.K.		
		GH,GJ	RSGB, c/o H.J. Chater GJ2LU, 106 Rouge Bouillon, St. Helier, Jersey		
		GM	RSGB, c/o Ted Bell GM4LKJ, 21 St. Andrews Crescent, Dumbarton G82 3ER, Scotland, U.K.		

# 2019 QSL BUREAUS

LZ	Central QSL Bureau, Box 830, Sofia, Bulgaria	VE2	A.G.Daermen VE2IJ, 2960 Douglas Avenue, Montreal, Quebec, Canada H3R 2E3	YU5	SRM, Box 14, 91001 Skopje, Yugoslavia
OA	Radio Club of Peru, Box 538, Lima 100, Peru	VE3	The Ontario Trilliums ARC VE3TOT, Box 157, Downsview, ON, Canada M3M 3A3	YU6	SRG, Vaka Djurovica 20, Box 12, 81001 Titograd, Yugoslavia
OD	ARAL QSL Bureau, Box 8888, Beirut, Lebanon	VE4	L.R.Lazar VE4SL, 30 Bathgate Bay, Winnipeg, Manitoba, Canada R3T 0L2	YU7	SRV, Lenjinov trg 10, 21000 Novi Sad, Yugoslavia
OE	OE VSV QSL Bureau, Theresiengasse 11, A-1180 Vienna, Austria	VE5	Bj. Madsen VE5FX, 739 Washington Drive, Weyburn, Saskatchewan, Canada S4H 3C7	YU8	SRK, Box 141, 38001 Pristina, Yugoslavia
OH	SRAL QSL Bureau, Box 30, SF-00381 Helsinki, Finland	VE6	N.F.Waltho VE6VW, Box 1890, Morinville, Alberta, Canada T0G 1P0	YV	Radio Club Venezolana (IARU member), Box 2285, Caracas 1010-A, DF, Venezuela or ARV QSL Bureau, Box 3636, Caracas 1010-A, DF, Venezuela
OK,OL	Central Radio Club, Box 69, 11327 Prague 1, Czechoslovakia	VE7	Dennis Livesey VE7DK, 8309 - 112th Street, Delta, B.C., Canada V4C 4W7	ZB	Gibraltar ARS, Box 292, Gibraltar
ON,OR	UBA, Box 400, B-8400 Oostende 1, WV, Belgium	VE8	Rolf Ziemann VE8RZ, 2 Taylor Road, Yellowknife, NWT, Canada XIA 2K9	ZC	Joint Signal Board Headquarters, British Forces Cyprus, BFPO 53, London GPO, England, U.K.
OX	FRA, Box 1630, B-1000 Brussels, BT, Belgium	VK1	QSL Bureau, GPO Box 600, Canberra, ACT 2601, Australia	ZD8	Ascension AR Relay League, Box 4127, Patrick AFB, Florida 32925, USA
OY	EDR QSL Central, c/o Boerge Nielsen OZ7BW, Solbjergheidevej 76, DK-8355 Ny-Solbjerg, Denmark	VK2	QSL Bureau, GPO Box 73, Teralba, NSW 2284, Australia	ZF	Cayman Radio Society, Box 1029, Grand Cayman, British West Indies
OZ	EDR QSL Central, c/o Boerge Nielsen OZ7BW, Solbjergheidevej 76, DK-8355 Ny-Solbjerg, Denmark	VK4	QSL Officer, GPO Box 638, Brisbane, Queensland 4001, Australia	ZK1	QSL Bureau, Radio Station Rarotonga, Rarotonga, Cook Islands, New Zealand
PA-PI	Dutch QSL Bureau, Postbus 330, NL-6800 AH Arnhem, Netherlands	VK5	QSL Bureau, Box 10092, Gouger Street, Adelaide, SA 5000, Australia	ZK2	QSL Bureau, Box 37, Niue, South Pacific
PJ	Verona QSL Bureau, Box 3383, Willemstad, Curacao, Netherlands Antilles	VK6	QSL Bureau, c/o J. Rumble VK6RU, GPO Box F319, Perth, WA 6001, Australia	ZL	NZART, Box 857, Wanganui, New Zealand
PP-PY	LABRE/DR Box 07-0004, 70.359 Brasilia, DF, Brasil	VK7	QSL Bureau, GPO Box 371D, Hobart, Tasmania 7001, Australia	ZP	Radio Club Paraguay, Casila de Correo 512, Asuncion, Paraguay
PZ	VRAS QSL Manager, Box 566, Paramaribo, Surinam	VK8	QSL Bureau, c/o H.G. Andersson VK8HA, Box 619, Humpty Doo, NT 0836, Australia	ZR-ZS	Cards for members only via SARL, Box 807, Houghton 2041, TV, Rep. of South Africa
P2	QSL Bureau, Box 141, Port Moresby, Papua New Guinea	VK9,VK0	QSL Bureau, c/o Neil Penfold VK6NE, 2 Moss Court, Kingsley, WA 6026, Australia	ZZ	RSZ QSL Manager, Box 2377, Harare, Zimbabwe
P4	Aruba Amateur Radio Club QSL Bureau, Box 2273, San Nicolas, Aruba	VO1,VO2	CRRL VO QSL Bureau, Box 6, St. John's, Newfoundland, Canada A1C 5H5	3A	ARM, Box 2, MC-98001 Monaco Cedex or c/o Director Generale des Telecoms, 16 Boulevard de Suisse, Monaco
R,U	Central Radio Club, Box 88, Moscow, USSR	VP2M	Montserrat Amateur Radio Society, Box 448, Plymouth, Montserrat	3B6-3B9	Mauritius ARS, Box 467, Port Louis, Mauritius
RB,UB,RT,UT,UY	QSL Bureau, Box 56, Kiev 252001, Ukraine, USSR	VP2V	B.V.I. QSL Bureau, Box 653, Road Town, Tortola, British Virgin Islands, Leeward Islands	3DA	Radio Society of Swaziland, Box 64, Manzini, Swaziland
RC,UC	Chernobyl QSL Bureau, Box 17, Minsk 220012, Byelorussia, USSR	VP5	TACARS, Box 108, Providenciales, Turks and Caicos Islands, British West Indies	3D2	QSL Bureau, Box 184, Suva, Fiji Islands
RD,UD	QSL Bureau, Box 165, Baku-Center 370000, Azerbaijan, USSR	VP8	Falkland Islands Radio Club, Box 260, Mount Pleasant Airport, Falkland Islands	4K	Central Radio Club, Box 88, Moscow, USSR
RF,UF	QSL Bureau, UL-Bochroma 12, Tbilisi 380044, Georgia, USSR	VP9	Cards for British Antarctic Stations (BAT) may be sent c/o GPO Stanley, Falkland Islands	4S	Radio Society of Sri Lanka, QSL Manager, Box 907, Colombo, Sri Lanka
RG,UG	QSL Bureau, Prospekt Ojonikidze 5, Yerevan 375000, Armenia, USSR	VQ9	Radio Society of Bermuda, Box HM 275, Hamilton HM AX, Bermuda	4U1ITU	International ARC, Box 6, CH-1211 Geneva 20, Switzerland
RH,UH	QSL Bureau, Box 224, Ashkhabad 744014, Turkmen, USSR	VS6	QSL Bureau, Diego Garcia ARC, Box 16, NSF, FPO San Francisco 96685, USA	4X,4Z	Israel ARC, Box 3500, Haifa 31034, Israel
RM,UM	QSL Bureau, Box 392, Frunze 720055, Kirghiz, USSR	VU	Cards for members only via HARTS, Box 541, Hong Kong	5A	QSL Bureau, Box 372, Tripoli, Libya
RP,UP	QSL Bureau, Box 1000, Vilnius 232001, Lithuania, USSR	VY1	Amateur Radio Society of India, (IARU member), ARA, Box 4015, New Delhi 110017, India	5B	Cyprus Amateur Radio Society, Box 1267, Limassol, Cyprus
RR,UR	QSL Bureau, Box 125, Tallinn 200090, Estonia, USSR	VY2	CRRL QSL Bureau, W.L.Champagne VY1AU, Box 4597, Whitehorse, YT, Canada Y1A 2R8	5N	Nigerian Amateur Radio Society, Box 2873, Lagos, Nigeria
SA-SM	SSA, Ostmarksgatan 43, S-12342 Farsta, Sweden	V2	QSL Bureau, Box 1111, St. John's, Antigua, Leeward Islands	5R	QSL Bureau, Box 587, Tananarive, Madagascar
SN-SQ	PZK QSL Bureau, skrytka pocztowa 320, 00-950 Warsaw 1, Poland	V7	Kwajalein Amateur Radio Club, Box 444, APO San Francisco 96555, USA	5W	Western Samoa Radio Club, QSL Bureau Secretary, Box 1069, Apia, Western Samoa
ST,6T,6U	Sudan Radio Club, Box 80, El Morada, Omdurman, Republic of the Sudan	XE	FMRE (IARU member), Box 907, 06000 Mexico, DF, Mexico	5Z	RSK QSL Bureau, Box 45681, Nairobi, Kenya
SU	EARS, Ramsis Bldg., Floor 13 Flat 10, 6 Ramsis Square, Cairo 11111, Egypt	XX	Cards for members only via HARTS, Box 541, Hong Kong	6W	ARAS, Box 971, Dakar, Senegal
SV	RAAG, Box 3564, GR-10210 Athens, Greece	YB-YH	ORARI National QSL Bureau, Box 96, Jakarta, Indonesia 10002	6Y	JARA QSL Manager, Red Cross Building, 76 Arnold Rd., Kingston 5, Jamaica
S2	Bangladesh Amateur Radio League, GPO Box 3512, Dacca, Bangladesh	YB1-YH1	QSL Bureau, Box 314, Bandung, Indonesia	7J	JARL, 1-14-2 Sugamo, Toshima, Tokyo, 170 Japan
S7	QSL Bureau, c/o R.C.Barnes S79D, Box 191, Victoria Mahe, Seychelles	YB2-YH2	Daerah Istimewa Yogyakarta, Box 27, Yogyakarta 55001, Indonesia	7P	Lesotho ARS, Box 949, Maseru 100, Lesotho
S8	Transkei Amateur Radio League, Box 821, Umtata, Transkei	YB3-YH3	Central Java, Northern Area: QSL Bureau, Box 88, Semarang 50001, Indonesia	7Q	c/o H.Y.Bvumbwe 7Q7AE, Box 24, Blantyre, Malawi
TA-TC	TRAC QSL Bureau, Box 109, Sirkeci 34432, Istanbul, Turkey	YB4-YH4	Central Java, Southern Area: QSL Bureau, Box 73, Solo, Indonesia	7X	ARA QSL Service, Box 2, Algiers, Algeria
TF	or QSL Bureau, Box 811, Izmir 35212, Turkey	YB6-YH6	QSL Bureau, Box 59, Surabaya, Indonesia	8P	Radio Society of Barbados, Box 814E, Bridgetown, Barbados
TG	IRA QSL Bureau, Box 1058, 121 Reykjavik, Iceland	YB0-YH0	c/o Johannes Titaley YB4GA, GG Sumatra B-5 Palembang, Indonesia	8R	c/o Syd.C.H.D'Ornellas, 110 Barrack Street, Kingston, Georgetown, Guyana
TE-TI	CRAG, Box 115, Guatemala City, Guatemala	YI	QSL Bureau, Box 666 Medan, North Sumatra, Indonesia	9H	MARL (IARU member), Box 575, Valletta, Malta
TK,FC	Radio Club of Costa Rica, Box 2412, San Jose 1000, Costa Rica	YJ	ORARI Daerah Jakarta, P.O. Box 84, JKWK, Jakarta 10001, Indonesia	9H4	c/o Eric Rogers 9H4G, Dar Ghall-Kwiet, Ghajn Melet St., Zebbug, Gozo, Malta
TN	Cards for members only via REF QSL, BP 2129, F-37021 Tours Cedex, France	YK	Baghdad Radio Club, Box 7361, Baghdad, Iraq	9I,9J	Radio Society of Zambia, Box 20332, Kitwe, Zambia
TR	Association Gabonaise des Radio-Amateurs, Box 1826, Libreville, Gabon	YL	Vanuatu Amateur Radio Society, Box 50, Port Vila, Vanuatu	9K	Kuwait Amateur Radio Society, Box 5240, Code 15053 Safat, Kuwait
TU	Association des Radio Amateurs Ivoiriens, 01 BP 2946, Abidjan 01, Ivory Coast	YN,HT	Technical Institute of Radio, Box 245, Damascus, Syria	9L	Sierra Leone ARS, Box 10, Freetown, Sierra Leone
TV-TX	Cards for members only via REF QSL, BP 2129, F-37021 Tours Cedex, France	YO	QSL Bureau, Box 164, Riga 226098, Latvia, USSR	9M2, 9M6, 9M8	MARTS, Box 10777, 50724 Kuala Lumpur, Malaysia
T7	ARRSM QSL Bureau, Box 77, RSM-47031 Rep. of San Marino (Italy)	YS	QSL Bureau, Box 925, Managua, Nicaragua	9V	SARTS, GPO Box 2728, Singapore 9047
VE,VO,VY	CRRL Central QSL Bureau, Box 51, St. John, NB, Canada E2L 3X1	YU	or Mike Murciano, Box 140902, Coral Gables, Florida 33114, USA	9Y	Trinidad & Tobago Amateur Radio Society, Box 1167, Port-of-Spain, Trinidad
VE,VE1,VY2	A.McLellan VE1ASJ, Box 51, St. John, NB, Canada E2L 3X1	YU1	Federatia Romana de Radioamatorism, Box 22-50, R-71100 Bucharest, Romania		The Yasme Foundation, Box 2025, Castro Valley, CA 94546, USA
		YU2	Cards for members only via CRAS, Box 517, San Salvador, El Salvador		
		YU3	SRJ, Box 48, 11001 Belgrade, Yugoslavia		
		YU4	SRS, Box 64, 11001 Belgrade, Yugoslavia		
			SRH, Dalmatinska 12, 41000 Zagreb, Yugoslavia		
			ZRS, Box 180, 61001 Ljubljana, Yugoslavia		
			SR BIH, Box 61, 71001 Sarajevo, Yugoslavia		

# PREFIXES – BY COUNTRIES

Country	Zone	Prefix	Country	Zone	Prefix	Country	Zone	Prefix
Afghanistan	21	YA	Hawaii	31	KH6	Qatar	21	A7
Agalega Is.	39	3B6	Haiti	8	HH	Reunion Is.	39	FR
Aland Is.	15	OH0	Heard Is.	39	VK0	Revilla Gilego Is.	6	XF4
Alaska	1	KL7	Honduras	7	HR	Rodriguez Is.	39	3B9
Albania	15	3A	Hong Kong	24	VS6	Romania	20	YO
Algeria	39	7X	Howland Is.	31	KH1	Rota Is.	27	KH0
Amsterdam & St. Paul Is.	26	FT82	Hungary	15	HA,HG	Rotuma	32	3D2
Andaman & Nicobar Is.	26	VU7	Iceland	40	TF	Rwanda	36	9X
Andorra	14	C3	India	22	VU	Sabah	28	9M6
Angola	36	D2,D3	Indonesia	28	YB,YC,YD	Saba Is.	8	PJ
Aran Is.	14	EJ0	Iran	21	EP	St. Barthelemy	8	FJ
Argentina	13	LU	Iraq	21	YI	St. Brandon Is.	39	3B7
Aruba	9	P4	Ireland	14	EI	St. Helena Is.	36	ZD7
Ascension Is.	36	ZD8	Ischia	15	IC	St. Martin Is.	8	FS
Auckland Is.	32	ZL	Isle of Man	14	GD	St. Peter & St. Paul Rocks	11	PY0
Australia	29,30	VK	Israel	20	4X,4Z	St. Pierre & Miquelon Is.	5	FP
Austria	15	OE	Italy	15	I-IZ	Saipan Is.	27	KH0
Aves Is.	8	YV	Ivory Coast	35	TU	Samoa, American	32	KH8
Azores Is.	14	CU	Jamaica	8	6Y	Samoa, Western	32	5W
Bahama Is.	8	C6	Jan Mayen Is.	40	JX	San Andres & Providencia Is.	7	KH0
Bahrain	21	A9	Japan	25	JA-JS,TJ,BJ	San Felix Is.	12	CE0X
Baker Is.	31	KH1	Japan, U.S. Personnel in	25	KA	San Marino	15	T7
Baleares Is.	14	EA6	Jarvis Is.	31	KH5	Sao Tome & Principe	36	S9
Banaba	31	T33	Jersey	14	GJ	Sarawak	28	9M8
Bangladesh	22	S2,S3	Johnston Is.	31	KH3	Sardinia	15	IS
Barbados	8	8P	Jordan	20	JY	Saudi Arabia	21	HZ,7Z
Belgium	14	ON	Juan de Nova Is.	39	FR	Scotland	14	GM
Belize	7	V3	Juan Fernandez Is.	12	CE0Z	Senegal	35	6W
Benin	35	TY	Kenya	37	5Z	Seychelles	39	S79
Bermuda Is.	5	VP9	Kerguelen Is.	39	FT8X	Sicily	15	IT
Bhutan	22	A5	Kermadec Is.	32	ZL	Sierra Leone	35	9L
Bolivia	10	CP	Kiribati	21	T3	Singapore	28	9V
Bonaire	9	PJ	Korea	25	HL,HM	Sint Eustatius	8	PJ
Botswana	38	A2	Kure Is.	31	KH7	Sint Maarten Is.	8	PJ
Bouvet Is.	38	3Y	Kuwait	21	9K	Solomon Is.	28	H4
Brazil	11	PP-PY	Labrador (Canada)	2	VO2	Somalia	37	T5
Brunei	28	V8	Laccadive Is.	22	VU7	South Africa, Rep. of	38	ZR,ZS
Bulgaria	20	LZ	Lampedusa Is.	33	IG	South Georgia Is.	13	VP8
Burkina-Faso	35	XT	Laos	26	XW	South Orkney Is.	13	LU,VP8
Burundi	36	9U	Latvia	15	UQ,YL	South Sandwich Is.	13	LU,VP8
Cambodia	26	XU	Lebanon	20	OD	South Shetland Is.	13	CE9,LU,VP8
Cameroon	36	TJ	Leeward Is.	8	VP2E	Soviet Union:		
Campbell Is.	32	ZL	Anguilla	8	VP2E	Russian S.F.S.R.	16,17,18,19	UA,UN,UV,UW,UZ
Canada	1,2,3,4,5	VE	Antigua	8	V2	Armenian S.S.R.	21	UG
Canary Is.	33	EA8	British Virgin Is.	8	VP2V	Azerbaijan S.S.R.	21	UD
Cape Verde	35	D4	Montserrat	8	VP2M	Byelorussian S.S.R.	16	UC
Capri Is.	15	IC	St. Kitts, Nevis	8	V4	Estonian S.S.R.	15	UR
Cayman Is.	8	ZF	Lesotho	35	TL	Georgian S.S.R.	21	UF
Central African Republic	36	TL	Liberia	35	EL,SL	Kazakh S.S.R.	17	UL
Ceuta & Melilla (Spain)	33	EA9	Libya	34	5A	Kirghiz S.S.R.	17	UL
Chad	36	TT	Liechtenstein	14	HB0	Latvian S.S.R.	15	UP
Chagos	39	VO9	Lithuania	15	UP,LV	Lithuanian S.S.R.	15	UP
Chatham Is.	32	ZL	Lord Howe Is.	30	VK2	Moldavian S.S.R.	16	UO
Chile	12	CE	Luxembourg	14	LX	Tadzhik S.S.R.	17	UJ
China	23,24	B	Macao	24	XX	Turkmen S.S.R.	17	UH
Christmas Is.	29	VK9X	Macquarie Is.	30	VK0	Ukrainian S.S.R.	16	UB,UT,UY
Clipperton Is.	7	FO	Madagascar	39	5R	Uzbek S.S.R.	17	UI
Cocos Is.	7	T19	Maddalena Is.	15	IM	Spain	14	EA
Cocos (Keeling) Is.	29	VK9Y	Madeira Is.	33	CT3	Sri Lanka	22	4S
Colombia	9	HK	Malawi	37	7Q	Sudan	34	ST
Comoros	36	D6	Malaysia, West	28	9M2	Surinam	9	PZ
Congo	36	TN	Maldives Is.	22	8Q	Svalbard Is.	40	JW
Conway	32	3D2	Mali	35	TZ	Swan Is.	7	HR0
Cook Is.	32	ZK1	Malpelo	9	HK0	Swaziland	38	3D40
Corsica	15	TK	Malta	15	9H	Sweden	14	SJ-SM
Costa Rica	7	T1	Maljy Vysotskij Is.	16	4J	Switzerland	14	HB
Crete	20	SV9	Manihiki	32	ZK1	Syria	20	YK
Crozet Is.	39	FT8W	Mariana Is.	27	KH0	Taiwan	24	BV
Cuba	8	CM,CO	Market Reef	15	OJ0	Tanzania	37	5H3
Curacao	9	PJ	Marshall Is.	31	V7	Thailand	26	HS
Cyprus	20	2C,5B	Martinique	8	FM	Tinian	27	KH0
Czechoslovakia	15	OK,OL	Mauritania	35	5T	Togo	35	5V
Denmark	14	OZ	Mauritius Is.	39	3B8	Tokelau Is.	31	ZK3,ZM7
Djibouti	37	V2	Mayotte	39	7H	Tonga Is.	32	A3
Dodecanese Is.	20	SV	Mexico	6	XE,XF	Transkei	38	S8
Dominican Republic	8	HV	Midway Is.	31	KH4	Trinidad & Tobago Is.	11	PY0
Easter Is.	12	CE0A	Minami-Tori-Shima	27	JD1	Tristan da Cunha Is.	38	ZD9
Ecuador	10	HC	Monaco	14	3A	Tromelin Is.	39	FR
Egypt	34	SU	Mongolia	23	JT	Tunisia	33	3V
El Salvador	7	YS	Morocco	33	CN	Turkey	20	TA-TC
England	14	G	Mozambique	37	C8,C9	Turks & Caicos Is.	8	VP5
Equatorial Guinea	36	3C	Myanmar	26	XZ	Tuscan Archipelago	15	IA
Estonia	15	UR,ES	Namibia	38	V5	Tuvalu Is.	31	T2
Ethiopia	37	ET	Nauru	31	C2	Uganda	37	5X
Faroe Is.	14	OY	Navassa Is.	8	KP1	United Arab Emirates	21	A6
Falkland Is.	13	YB8	Nepal	22	9N	United Nations	5,14	4U
Fed. States of Micronesia	27	V6	Netherlands	14	PA-P1	United States of America 1,3,4,5,31	13	A,K,N,W
Fernando de Noronha	11	PY0	Netherlands Antilles	8,9	PJ	Uruguay	13	CX
Fiji Is.	32	3D2	New Caledonia	32	FK	Vanuatu	32	YJ
Finland	15	OH	Newfoundland (Canada)	32	VO1	Vatican City	15	HV
France	14	F	New Zealand	9	ZL	Venezuela	9	YV
French Guiana	9	FY	Nicaragua	7	YN	Vietnam	26	XV
French Polynesia	31,32	FO	Niger	35	5U	Virgin Is. (British)	8	VP2V
Gabon	36	TR	Nigeria	35	5N	Virgin Is. (U.S.)	8	KP2
Galapagos Is.	10	HC8	Niue Is.	32	ZK2	Wake Is.	31	KH9
Gambia, The	35	C5	Norfolk Is.	32	VK9N	Wales	14	GW
Germany	14	DA-DP	Northern Ireland	14	GI	Wallis & Futuna Is.	32	FW
Ghana	35	9G	Norway	14	LA-LJ	Walvis Bay	38	ZS9
Gibraltar	14	ZB2	Ogasawara Is.	27	JD1	Western Sahara	33	S0
Glorioso Is.	39	FR	Okinaewa (Ryukyu Is.)	25	JR6	Willis Is.	30	VK9Z
Gough Is.	38	ZD9	Oman	21	A4	Windward Is.	8	J3
Gozo (Malta)	15	9H4	Pakistan	21	AP	Dominica	8	J7
Graham Land	13	LU,VP8	Palmyra Is.	31	KH5	Grenada	8	J3
Greece	20	SV	Panama	7	HP	St. Lucia	8	J6
Greenland	40	OX	Pantelleria Is.	33	IH	St. Vincent, Grenadines	8	J8
Guadeloupe	8	FG	Papua New Guinea	28	P2	Yemen	21	70
Guam	27	KH2	Paraguay	11	ZP	Yugoslavia	15	YU
Guantanamo Bay	8	KG4	Peru	10	OA	Yukon Territory (Canada)	1	VY1
Guatemala	7	TG	Philippines	32	DU-DZ,4F	Zaire	36	9Q
Guernsey, Bailiwick of	14	GU	Pitcairn Is.	27	VR6	Zambia	36	9I,9J
Guinea-Bissau	35	J5	Poland	15	SP	Zanzibar (Tanzania)	37	SH1
Guinea	35	CT	Portugal	14	CT	Zimbabwe	38	Z2
Guyana	9	8R	Prince Edward Is. (Canada)	38	VE1,VY2			
			Prince Edward & Marion Is.	38	ZS2			
			Puerto Rico	8	KP4			

# INTERNATIONAL RADIO AMATEUR PREFIXES

The following prefixes are listed in alphabetical order for convenience in identifying the country when DX calls are heard.

AA-AL	United States of America	KH3	Johnston Is.	V5	Namibia
AP	Pakistan	KH4	Midway Is.	V6	Fed. States of Micronesia
A2	Botswana	KH5	Jarvis & Palmyra	V7	Marshall Is.
A3	Tonga	KH5K	Kingman Reef	V8	Brunei
A4	Oman	KH6	Hawaii	V9	Venda
A5	Bhutan	KH7	Kure Is.		
A6	United Arab Emirates	KH8	American Samoa		
A7	Qatar	KH9	Wake Is.		
A9	Bahrain	KH9	Mariana Is.		
		KH9	Alaska		
B	China	KPI	Navassa Is.		
BV	Taiwan	KP2	Virgin Is.		
		KP4	Puerto Rico		
CE		KP5	Desecheo Is.		
CE9AA-AM	Chile				
CE9AN-AZ	O'Higgins, Palmer Peninsula, Graham Land				
CE9A	South Shetland Is.				
CE9X	Easter Is.				
CE9Z	San Felix Is.				
CM,CO	Cuba				
CN	Morocco				
CP	Bolivia				
CT	Portugal				
CT3	Madeira Is.				
CU	Azores Is.				
CX	Uruguay				
C2	Nauru				
C3	Andorra				
C5	The Gambia				
C6	Bahamas				
C8,C9	Mozambique				
DA-DP	Germany				
DU,DW	Philippines				
D2,D3	Angola				
D4	Cape Verde				
D6	Comoros				
EA-EH	Spain				
EAB	Balearc Is.				
EAB	Canary Is.				
EAB	Ceuta & Melilla				
EJ	Ireland				
EJ8	Aran Is.				
EL	Liberia				
EP	Iran				
ES	Estonia				
ET	Ethiopia				
F	France				
FG	Guadeloupe				
FH	Mayotte				
FJ	St. Barthelmy				
FK	New Caledonia				
FM	Martinique				
FO	French Polynesia, Clipperton Is.				
FP	St. Pierre & Miquelon Is.				
FR	Glorioso, Juan de Nova, Reunion, Tromelin Is.				
FS	St. Martin Is.				
FT8W	Crozet Is.				
FT8X	Kerguelen Is.				
FT8Y	French Antarctica				
FT8Z	Amsterdam & St. Paul Is.				
FW	Wallis & Futuna Is.				
FY	French Guiana				
G	England				
GD	Isle of Man				
GI	Northern Ireland				
GJ	Jersey				
GM	Scotland				
GU	Bailiwick of Guernsey				
GW	Wales				
HA	Hungary				
HB	Switzerland				
HC	Liechtenstein				
HC8	Ecuador				
HG	Hungary				
HH	Haiti				
HI	Dominican Republic				
HK	Colombia				
HK8	Bajo Nuevo, Malpelo, San Andres & Providencia Is.				
HLHM	Korea				
HP	Panama				
HR	Honduras				
HR8	Swan Is.				
HS	Thailand				
HV	Vatican City				
HZ	Saudi Arabia				
H4	Solomon Is.				
H5	Bophuthatswana				
I-Z	Italy				
IA	Tuscan Archipelago				
IC	Capri & Ischia Is.				
IG	Lampedusa Is.				
IH	Pantelleria Is.				
IM	Maddalena Is.				
IS	Sardinia				
IT	Sicily				
JA,JS	Japan				
JD1	Ogasawara Is., Minami-Tori-Shima				
JR6	Okinawa (Ryukyu Is.)				
JT	Mongolia				
JW	Svalbard Is.				
JX	Jan Mayen Is.				
JY	Jordan				
J2	Djibouti				
J3	Grenada				
J5	Guinea-Bissau				
J6	St. Lucia				
J7	Dominica				
J8	St. Vincent and the Grenadines				
K	United States of America				
KA	U.S. Personnel in Japan				
KC4	U.S. Antarctica				
KG4	Guantanamo Bay				
KH1	Baker & Howland Is.				
KH2	Guam				
LA-LJ	Norway				
LU	Argentina				
LU	Argentine Antarctica				
LX	Luxembourg				
LY	Lithuania				
LZ	Bulgaria				
N	United States of America				
OA	Peru				
OD	Lebanon				
OE	Austria				
OH	Finland				
OH8	Aland Is.				
OJ8	Market Reef				
OK,OL	Czechoslovakia				
ON	Belgium				
OX	Greenland				
OY	Faroe Is.				
OZ	Denmark				
PA-PI	Netherlands				
PJ	Netherlands Antilles				
PP-PY	Brazil				
PY8	Fernando de Noronha Is.				
PY8	St. Peter & St. Paul Rocks				
PY8	Trindade & Martin Vaz Is.				
PZ	Surinam				
P2	Papua New Guinea				
P4	Aruba				
R	Union of Soviet Socialist Rep.				
SJ-SM	Sweden				
SP	Poland				
ST	Sudan				
SU	Egypt				
SV	Greece				
SV5	Dodecanese Is.				
SV9	Crete				
S2,S3	Bangladesh				
S4	Ciskei				
S7	Seychelles Is.				
S8	Transkei				
S9	Sao Tome & Principe				
S8	Western Sahara				
TA,TC	Turkey				
TF	Iceland				
TG	Guatemala				
TI	Costa Rica				
TI9	Cocos Is.				
TJ	Cameroon				
TL	Corsica (France)				
TN	Central African Republic				
TR	Congo				
TT	Gabon				
TU	Chad				
TY	Ivory Coast				
TZ	Benin				
T2	Mali				
T3	Tuvalu				
T4	Kiribati				
T5	Somalia				
T7	San Marino				
UA,UN,UV,UW,UZ	Russian S.F.S.R.				
UB,UT,UY	Ukrainian S.S.R.				
UC	Byelorussian S.S.R.				
UD	Azerbaijan S.S.R.				
UF	Georgian S.S.R.				
UG	Armenian S.S.R.				
UH	Turkmen S.S.R.				
UI	Uzbek S.S.R.				
UJ	Tadzhik S.S.R.				
UL	Kazakh S.S.R.				
UM	Kirghiz S.S.R.				
UN	Moldavian S.S.R.				
UP	Lithuanian S.S.R.				
UQ	Latvian S.S.R.				
UR	Estonian S.S.R.				
VE	Canada				
VK	Australia				
VK2	Lord Howe Is.				
VK7	Tasmania				
VK9N	Norfolk Is.				
VK9X	Christmas Is.				
VK9Y	Cocos (Keeling) Is.				
VK9Z	Willis Is.				
VK8	Heard Is., Australian Antarctica				
V01	Newfoundland (Canada)				
V02	Labrador (Canada)				
VP2	Leeward & Windward Is.				
VP2E	Anguilla				
VP2M	Montserrat				
VP2V	British Virgin Is.				
VP5	Turks & Caicos Is.				
VP8	Falkland, S. Georgia, S. Orkney, S. Sandwich, S. Shetland Is., Graham Land				
VP9	Bermuda Is.				
V09	Chagos				
VR6	Pitcairn Is.				
VS6	Hong Kong				
VU	India				
VU7	Andaman & Nicobar Is.				
VU7	Laccadive Is.				
VY1	Canadian Yukon Territory				
V2	Antigua, Barbuda				
V3	Belize				
V4	St. Kitts and Nevis				
W	United States of America				
XE,XF	Mexico				
XF4	Revilla Gigedo Is.				
XT	Burkina Faso				
XU	Cambodia				
XV	Vietnam				
XW	Laos				
XX	Macao				
XZ	Myanmar				
YA	Afghanistan				
YB,YC,YD	Indonesia				
YI	Iraq				
YJ	Vanuatu				
YK	Syria				
YL	Latvia				
YN	Nicaragua				
YO	Romania				
YS	El Salvador				
YU	Yugoslavia				
YV	Venezuela				
YV8	Aves Is.				
ZA	Albania				
ZB2	Gibraltar				
ZC	Cyprus (Br. Forces)				
ZD7	Saint Helena Is.				
ZD8	Ascension Is.				
ZD9	Tristan da Cunha & Gough Is.				
ZE	Cayman Is.				
ZK1	Cook & Manihiki Is.				
ZK2	Niue Is.				
ZK3,ZM7	Tokelau Is.				
ZL	New Zealand & Auckland, Campbell, Chatham, Kermadec Is.				
ZL5	New Zealand Antarctica				
ZP	Paraguay				
ZR,ZS1	Republic of South Africa				
ZS1	South African Antarctica				
ZS2	Prince Edward & Marion Is.				
ZS9	Walvis Bay				
ZZ	Zimbabwe				
1A8	Sovereign Military Order of Malta				
1S	Sprattly Is.				
2A	Monaco				
3B6	Agalega Is.				
3B7	St. Brandon Is.				
3B8	Mauritius Is.				
3B9	Rodriguez Is.				
3C	Equatorial Guinea				
3D2	Fiji Is.				
3D2	Rotuma				
3DA	Swaziland				
3V	Tunisia				
3X	Guinea				
3Y	Bouvet Is.				
3Y	Norwegian Antarctica				
4F	Philippines				
4J	Malay Vyotskiy Is.				
4K1	Russian Antarctica				
4S	Sri Lanka				
4U	United Nations				
4X,4Z	Israel				
5A	Libya				
5B	Cyprus				
5H1	Zanzibar (Tanzania)				
5H3	Tanzania				
5L	Liberia				
5N	Nigeria				
5P	Madagascar				
5T	Mauritania				
5U	Niger				
5V	Togo				
5W	Western Samoa				
5X	Uganda				
5Z	Kenya				
6W	Senegal				
6Y	Jamaica				
7J-7N	Japan				
7O	Yemen				
7P	Lesotho				
7Q	Malawi				
7X	Aggeria				
7Z	Saudi Arabia				
8J	Japanese Antarctica				
8P	Barbados				
8Q	Maldives Is.				
8R	Guyana				
9G	Ghana				
9H	Malta				
9H4	Gozo (Malta)				
9I,9J	Zambia				
9K	Kuwait				
9L	Sierra Leone				
9M2	West Malaysia				
9M6	Sahag				
9M8	Saravak				
9N	Nepal				
9O	Zaire				
9U	Burundi				
9V	Singapore				
9X	Rwanda				
9Y	Trinidad & Tobago				

# RADIO AMATEURS OPERATING WITH RECIPROCAL LICENSES

## Foreign

A2/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 A4/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 A7/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 BV/JPIRIW K. Hoshino, P.O. Box 7-94 Hsintien, Taiwan, Republic of China  
 CE0/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 CE0/W6QL YASME, Box 2025, Castro Valley, CA 94546, USA  
 CU/KB4JW Randolph H. Brown, Box 2002, APO New York 09406, USA  
 C6/WA20WL Leslie R. Hinds, Lucayan Towers North, Box F-285, Freeport, GB, Bahama Islands  
 DU/KB2GRH James F. Adams, Box 180, Cotabato City 9600, Philippines  
 DU/K4YT Karl Renz, U.S. Embassy, Manila, APO San Francisco 96528, USA  
 DU/KZSZ Jonathan V. Lofton, American Embassy - ATO, Manila, Philippines  
 DU/WB5LBJ Clarence E. Green, 190 R. Mapa Street, Tabucan, Mandurriao, Iloilo City 5901, Philippines  
 DU/KD6TB Mark T. Sherbert, CCPO, Box 31, FPO San Francisco 96651, USA  
 DU/N6XRU William E. Wanamaker, USAID/Manila, APO San Francisco 96528, USA  
 DU/N7ET Dale Law, Silliman University, Dumaguete City 6501, Philippines  
 DU/N7GCN Martha A. Ming, APTS General Delivery, Baguio City 2600, Philippines  
 DU/N7GCO James M. Ming, APTS General Delivery, Baguio City 2600, Philippines  
 DU4/N7MUX Jerry R. Dunham, P.O. Box 121, Legazpi City 4500, Philippines  
 DW/KA7SFR Daniel N. Law, Silliman University, Dumaguete City 6501, Philippines  
 EA/KA4WUM Sharon Cook, Box 2-247, NAVSTA Rota, FPO New York 09540, USA  
 EA5/G0NGC R.J. Allwood, Apto. 100-D3, Colonia Ducal, Playa de Gandia, Gandia, Valencia, Spain  
 EA6/G6ZY Stanley Ingram, Box 89, Santa Eulalia, Ibiza, Balearic Islands, Spain  
 EA7/N5OKR Greg R. Altig, PSC 818 Box 1147, FPO AE 09644-5000  
 F/G2BNI Douglas B. Drage, The Anchorage, Les Vignes du Bessard, F-74320 Servier, France  
 F/WU2J Byron C. Weaver, Rue La Perouse, F-66290 Cerbere, France  
 FH/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 FR/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 FR/W6QL YASME, Box 2025, Castro Valley, CA 94546, USA  
 FS/FG5EM Morton Bardfield, QSL via W3HNK  
 FS/FG5EO Walter Brenner, QSL via DJ0FX  
 FS/FG0VG Walter Brenner, QSL via DJ0FX  
 FY/KD3FK Beth L. Weaver, No.35 bis Cite Cesaire, 97300 Cayenne, French Guiana  
 FY/N4ODX Jay R. Weaver, No.35 bis Cite Cesaire, 97300 Cayenne, French Guiana  
 G/KB4IYK Daniel M. Bergeron, 14 Sandford Gardens, High Wycombe, Bucks HP11 1QT, England, UK  
 G/KK6DF Patricia R. Civita, 1 Crossway, Lewes, Sussex BN7 1NE, England, UK  
 G/KK6EE Vittorio G. Civita, 1 Crossway, Lewes, Sussex BN7 1NE, England, UK  
 G/N0BZ Thomas John Tobiasen, Applegarth, Manse Lane, Knaresboro, N. Yorks HG5 8LF, England, UK  
 HB0/HB9NL Frank A. Acklin, Sonnenrainstr. 27 CH-6233 Buuron, Switzerland  
 HB9/CU2BR Alfred A. Pothoff, Berg Str. 117, CH-8707 Uetikon am See, Switzerland  
 HB9/NIFEY Joseph S. Johnson, Alte Lanstr. 17, CH-8802 Kilchberg, Switzerland  
 HC/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 HC/KA9SNM Betty F. Glass, Box 52, Santo Domingo, Ecuador  
 HC/KA0SYR Jose Wells J., Box 52, Santo Domingo, Ecuador  
 HC/KA0TSR Sylvia Smith D., Box 52, Santo Domingo, Ecuador  
 HI/N9HBQ Robert Boomer, Paseo de la Laguna 10, Costambar, Puerto Plata, RD, Dominican Republic  
 HI/VE3LKU Douglas G. Crowe, Box 1157, Santo Domingo, Dominican Republic  
 HK/CE3FQT Carlos Acevedo Alvarado, Box 1025, Bogota, Colombia  
 HK/CE3JWE Jaime E. Bobillier, Box 91294, Bogota, Colombia  
 HK/HB0DX Gene Shannon B., Box 27744, Bogota, Colombia  
 HK/KC4AN Galen Ray Stutzman, Box 27744, Bogota, Colombia  
 HK/K0LWJ Raymond S. Rising, Instituto Linguistico deVerano, Box 27744, Bogota, Colombia  
 HK/N4HUF Macon G. Hare, Calle 43 31-29, Villavicencio, Colombia  
 HK/SM5HV C. Otto Ringheim, Box 2195, Bucaramanga, Colombia  
 HK/W6QL YASME, Box 2025, Castro Valley, CA 94546, USA  
 HK/WA2ITL Jonathan Rathjien, Instituto Linguistico de Verano, Box 27744, Bogota, Colombia  
 HK/WA3HOV Serge S. Krikorian Jr., Box 27744, Bogota, Colombia  
 HK/WB0DTP Henry L. Cook, Liga Colombiana de Radioaficionados, Box 584, Bogota, Colombia  
 HK0/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 HP4/T12LAK Dr. Luis Antonio Altamar J., P.O. Box 71690, San Jose, Costa Rica  
 HR/WB5YWU Gary S. Kesler, Minas de Oro, Comayagua, Honduras  
 HR/W6QL YASME, Box 2025, Castro Valley, CA 94546, USA  
 HR2/JA6WFM Hiro Nakamura, A Postal 2039, San Pedro Sula, Cortes, Honduras  
 JT/HA7VQ Pashkue Tiborne, QSL via JT Bureau  
 JT/K1XC Mikshatko Iosef, QSL via JT Bureau  
 JT/RA6LEV V.V. Mordovin, QSL via JT Bureau  
 JT/RB5LTK V.V. Strimovskii, QSL via JT Bureau  
 JT/RB5LUK A.S. Delimarskii, QSL via JT Bureau

## Foreign

JT/RB3MR V.V. Gurkin, QSL via JT Bureau  
 JT/RA6LEV V.V. Mordovin, QSL via JT Bureau  
 JT/UA3EC Gennadi Lysac, QSL via JT Bureau  
 JT/UL7QCI A.B. Ovechkin, QSL via JT Bureau  
 JW/LB6DC Kristoffer H. Kvello, Vei 214 5, N-9170 Longyearbyen, Svalbard Island, Norway  
 JW/LB6EC Thor Ore Bendiksen, Box 516, N-9170 Longyearbyen, Svalbard Island, Norway  
 JW/LB6FC Trond Sigernes, Vei 230 31, N-9170 Longyearbyen, Svalbard Island, Norway  
 J6/OE2CHN Christian Hohenwallner, QSL via OE2GEN  
 KA1HL/VE3 Arnold M. Fine, 919 Kirkwood Ave, Ottawa, Ontario, Canada K1Z 5Y6  
 OE/SP5IXI Mirosław Rozbicki, QSL via VK3DXI  
 OH/G4JVG QSL via G Bureau  
 OH/K5HGX John M. Knight, P.O. Box 525, Florissant, CO 80816-0525  
 PA/DF4NP Ursula Roesler, Het Wedde 8, NL-2253 RE, Voorschoten, Netherlands  
 PA/DL8RH Hans Werner Roesler, Het Wedde 8, NL-2253 RE Voorschoten, Netherlands  
 PA/I1RYS Rossella Spadini-Strom, Box 597, NL-2030 Hoofddorp, Netherlands  
 PA/KB1IA J. Brad Lentz, Garstkampsestr. 11, NL-6611 KS Overasselt, Netherlands  
 PA/SM6CPI Kjell W. Strom, Box 597, NL-2030 Hoofddorp, Netherlands  
 PJ/KB4RPC Leonel E. Larmony, 81 L.B. Scott Road, Sint Maarten, Netherlands Antilles  
 PJ/W6QL YASME, Box 2025, Castro Valley, CA 94546, USA  
 PY/WA3MJR F. E. Vidal, Ave. Santa Marina 1588, Agua Branca, 05036 Sao Paulo, SP, Brazil  
 PZ/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 P4/N4XCF Danny Swafford, Box 2209, San Nicolaas, Aruba  
 SM/NK5CQ C. M. Waite, QSL via WA3JWF  
 SV/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 SV/W6QL YASME, Box 2025, Castro Valley, CA 94546, USA  
 S7/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 S7/W6QL YASME, Box 2025, Castro Valley, CA 94546, USA  
 S8/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 S8/W6QL YASME, Box 2025, Castro Valley, CA 94546, USA  
 TA/WD8ANI Stephen L. Webb, Box 2283, APO New York 09224, USA  
 TG/KD5HA Judith A. Harper, Salon del Reino, Panajachel, Solola, Guatemala  
 TI/H8AJD Andres J. Dujarric, Box 130, Centro Colon, San Jose, Costa Rica  
 TI/H8MWD Myriam Dujarric, Box 130, Centro Colon, San Jose, Costa Rica  
 TI/LU1JMQ Maria E. Alvarez, Box 79-2030, San Jose, Costa Rica  
 TI/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 VE2/CE2JG Pedro Fernandez, Box 252, Laval, Quebec, Canada H7M 3N9  
 VE3/JA3PJM Ryo Onishi, 15 Mullet Road, Willowdale, Ontario M2M 2A7, Canada  
 VE3/OK3CAV Marvin Hlvac, 147 Mavety St, Toronto, Ontario, Canada M6P 2L8  
 VP2/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 VP2E/AA1M Robert Reiser, QSL via AA1M  
 VP2E/JH4IFF Mitsumasa "Mitsu" Uto, QSL via JH4IFF  
 VP2E/KA3DBN John Rouse, QSL via KA3DBN  
 VP2E/KB2JXG Catherine Burke, QSL via KB2JXG  
 VP2E/KB4VHW Robert C. Ave, QSL via KB4VHW  
 VP2E/KB8WC John Bricker, QSL via KB8WC  
 VP2E/KD6WW Bruce D. Lee, QSD via KD6WW  
 VP2E/KO80 Scott Farnham, QSL via KO80  
 VP2E/KT8Y Thomas Auth, QSL via KT8Y  
 VP2E/K8BL Robert Liddy, QSL via K8BL  
 VP2E/NOLMD John O. Stewart, QSL via NOLMD  
 VP2E/NR1R Reynolds A. Sylvester, Jr., QSL via NR1R  
 VP2E/N2FBB Robert Reiman, QSL via N2FBB  
 VP2E/N4BWS Terrell Moore, QSL via N4BWS  
 VP2E/W2ORA Joseph D. Duffin, QSL via W2ORA  
 VP2E/W2PAU Edwin M. Brown, QSL via W2Pau  
 V2/KA2DIV Grant Mitchell, QSL via KA2DIV  
 V2/OE2CHN Christian Hohenwallner, QSL via OE2EJN  
 W2CJH/VE3 Norman A. Champness, 216 Raymond Ave., London, Ontario, Canada N6A 2N1  
 YS/WD4IFN Herman H. Franke, QSL via WD4IFN  
 YV/HI8CVR Nidia Virella, Box 20, Punto Fijo #102, Falcon, Venezuela  
 YV/K3UOC Mike Manafa, QSL via W1AF  
 YV/K4MUP Earle Findley, Apto. 134, Anaco, Anz., Venezuela  
 YV/OA4AUN Maria Maica Cordova de Orihuela, Box 73, Puerto Ordaz 8015-A, Bolivar, Venezuela  
 YV/W8PLV Henry E. Gorney, Box 70184, Caracas 1071, DF, Venezuela  
 YV/W8PLV T. S. Ellam, QSL via VE6SH  
 ZB2/G4HUA YASME, Box 2025, Castro Valley, CA 94546, USA  
 ZP/W6QL Johann Reisser, P.O. Box 512, Asuncion, Paraguay  
 ZP9/DL3R0 YASME, Box 2025, Castro Valley, CA 94546, USA  
 ZS/W6KG YASME, Box 2025, Castro Valley, CA 94546, USA  
 ZS3/W6QL YASME, Box 2025, Castro Valley, CA 94546, USA  
 Z2/W6QL YASME, Box 2025, Castro Valley, CA 94546, USA  
 4F/KE6PU John M. Brand, Box 8043, Manila, Philippines

# RADIO AMATEURS OPERATING WITH RECIPROCAL LICENSES

## Foreign

4S/JA8DOK  
S7/DF5UG  
4S/DJ8CV  
4S/DK1ZN  
4S/DK2SC

4S/WB7VR  
4X/W6KG  
5A/G3JKI  
5N/DC6GW  
5N/DJ9FH  
5N/DK3LQ  
5N/DL5KBK  
5N/DL5NE  
5N/EI6FM

5N/EL2AY  
5N/FC1LIA  
5N/FE6HCL  
5N/G3GJK  
5N/G3XKQ  
5N/G3ZMP  
5N/G4WOB  
5N/G8WTR  
5N/HB9CUZ  
5N/HB9KC  
5N/I1CSJ  
5N/IK1FOS  
5N/IK7EJX

5N/JG1FVZ  
5N/K0LXA  
5N/KA0KIA  
5N/KB7ZT  
5N/KC7RD  
5N/LU9EAG  
5N/M4NW  
5N/OE1YDA  
5N/OE5SYM  
5N/OE5WRL  
5N/OK1AEX  
5N/OK1DJO  
5N/OK1ZKA  
5N/ON7VD  
5N/PB0ACP  
5N/TU2HS  
5N/TU2NL  
5N/TZ6WC  
5N/Y1AA  
5N/W4LZZ  
5N/W0PBV  
5N/YU3IK  
5N/YU7SC  
5N/4X4FF  
5N/5B4MV  
5N/9G1JH  
5N/9L9EAG  
6Y/KB4ZBK  
6Y/KC4ADR  
6Y/W3FAJ  
6Y/OE2CHN  
8R/H8XAD  
8R/LU9CAM  
8R/W1CDC  
8R/3BBT  
8R/WA4YGG  
9M2/KA1BWF  
9N/W6KG  
9N/W6QL  
9Y/J6LAD  
9Y/OE2CHN  
9Y4/JA2EZD

Kazunori Miyatake, QSL via JA8RUZ  
H. H. Ehlers, 347 Main Street, Negombo, Sri Lanka  
Karl J. Tipps, c/o S. Ranasinghe, 104 Allen Ave., Dehiawawia, Sri Lanka  
Herbert Lorenz, 570 Nindahena, Gotatuwa, Sri Lanka  
Hartmut Gumpert, Deutschewelle Station, D.S.  
Senanayake Mawatha, Colombo 8, Sri Lanka  
Arnold H. Ramatema, 12 2 Sulaiman Terrace, Colombo 5, Sri Lanka  
YASME, Box 2025, Castro Valley, CA 94546, USA  
QSL via F6CYL  
A. M. Schilling, N. N. Sapele Station, Dornier Camp 1, Sapele, Bendel, Nigeria  
Sefrin Berthold, B.B.C. Camp, Box 9504, Enugu, Anamba, Nigeria  
B. D. Meroth, 15 Elek Crescent, Victoria Island, Nigeria  
R. Kron, c/o A. Amstutz, Box 500, Apapa, Lagos, Nigeria  
G. L. Baunbach, 8 Kasume Ekemode St., Victoria Island, Nigeria  
Dermot O'Connell, Capital Equipment, Victoria House, 35 37 Isheri Road, Ikeja, Lagos, Nigeria  
Kamal Hamzi, Box 7355, Kano, Nigeria  
V. Cordoba, Box 5290, Lagos, Nigeria  
R. Dabet, Box 2124, Maiduguri, Bornu, Nigeria  
Francis R. Handley, Flat 5 A, Eko Court, Victoria Island, Lagos, Nigeria  
B. Doel, Box 8968, Kaduna, Kaduna, Nigeria  
Roy Beclerleg, Care Muir Associate Ltd., Box 1964, Makurdi, Nigeria  
J. Bazyk, Box 286, Ikeja, Lagos, Nigeria  
S. P. Gudgeon, 16 Karimu Kotun St, Lagos, Nigeria  
K. R. Achermann, Box 2080, Kaduna, Kaduna, Nigeria  
Werner Bopp, PMB 1005, Apapa, Lagos, Nigeria  
D. Cortesi, Box 393, Kaduna, Kaduna, Nigeria  
S. Klausner, Box 52, Sokoto, Sokoto, Nigeria  
Leone Alberto, MV Olobiri, Gulf Agency & Shipping Nig. Ltd., Wharf Road, Apapa, Nigeria  
Toshiaki Nakamura, QSL via JF1EEK  
Kenneth R. Sorrel, Box 456, Ahoada, Lagos  
James R. Mockereth, Box 158, Ogoja, Cross Rivers, Nigeria  
F. B. Reed, AIS, Box 2803, Lagos, Lagos, Nigeria  
M. S. Harris, Box 554, Lagos, Lagos, Nigeria  
Jose A. Alcorta, Box 7362, Kaduna, Nigeria  
Thomas T. Gregory, QSL via KC4NC  
Gertrand Dolinar, Julius Berger Ltd, Life Camp, Abuja, Lagos, Nigeria  
Gerhard Steinhäuser, PMB 77, Effurun, Warri, Bendel, Nigeria  
E. W. Keither, PMB 77, Effurun, Warri, Bendel, Nigeria  
Joseph Albrechi, Box 1009, Lagos, Nigeria  
Ivan Jancaska, Box 1009, Lagos, Nigeria  
Zdena Albrechi, Box 1009, Lagos, Nigeria  
Paul van Dyke, PMB 6813, Jos, Plateau, Nigeria  
Reiner De Blois, PMB 426, Abakaliki, Anambra, Nigeria  
Peter Pompl, Box 194, Yaba, Lagos, Nigeria  
A. Fawaz, Box 984, Kano, Kano, Nigeria  
Mechlen Bernd, Julius Berger Life Camp, Abuja, Lagos, Nigeria  
J. R. Reynolds, PMB 21055, Ikeja, Lagos, Nigeria  
Joseph J. Bernier, Box 3828, Port Harcourt, Lagos, Nigeria  
M. A. Calhoun, Uniben, PMB 1154, Benin Bendel, Nigeria  
Marjan Makoc, Box 2873, Lagos, Lagos, Nigeria  
S. Cuckovic, 3 Amitowoshe St, Victoria Island, Nigeria  
M. M. Garay, NFCNL, PMB 5180, Port Harcourt, Lagos, Nigeria  
Nicholas J. Chatlalas, Box 984, Kano, Kano, Nigeria  
J. C. G. Hakim, Box 52356, Falomo, Ikoyi, Lagos, Nigeria  
J.A. Alcorta, P.O. Box 7362, Kaduna, Nigeria  
Dennis Herko, 4 Sullivan Way, Kingston 8, Jamaica  
Jason Herko, 4 Sullivan Way, Kingston 8, Jamaica  
Carl M. Schwing, Box 65, Kingston 5, Jamaica  
Christian Hohenwallner, QSL via OE2GEN  
Andres Marchant Orrego, 51 Bel Air Gardens, Greater Georgetown, Guyana  
Oscar Jose Sartorio, Box 10932, Georgetown, Guyana  
Alex M. Kasevich, QSL via AB1U  
Newton H. Jarvis, 301 New Garden St, Georgetown, Guyana  
Vernon A. Chase, 230 South Rd, Bourda, Georgetown, Guyana  
John A. Hutchinson, Box 10035, 50700 Kuala Lumpur, Malaysia  
YASME, Box 2025, Castro Valley, CA 94546, USA  
YASME, Box 2025, Castro Valley, CA 94546, USA  
Stephen M. de Lima, 13 Woodford St, New Town, Port of Spain, Trinidad  
Christian Hohenwallner, QSL via OE2CHN  
Hiroo Yonezuka, QSL via JA2MNB

## United States

W1/G4DZC  
W1/LU9DDN  
W2/CE3CRA  
W2/F2Y5  
W2/HI3JTE  
W2/HI3VAR  
W2/HI8CAO  
W2/HK1AHR  
W2/JS1DLC  
W2/VK2DXI  
W2/YU2WX  
W2/4X6MQ  
W3/H4CP  
W3/SM6NCT  
W4/DJ3YT  
W4/DJ8XU  
W4/EA4DDJ  
W4/HI8RFA  
W4/HK3GZB  
W4/HK3HCJ  
W4/OZ7SM  
W4/TF3KX  
W4/Y5JCR  
W4/6Y5AM  
W4/PY2ZEA  
W4/Y51AF  
W4/4X1AD  
W4/DL2HI  
W5/LU3EHT  
KG6/OE6BVG  
KH6/OE2CHN  
KH6/VK2DXI  
W6/G3MHV  
W6/G3NBZ  
W6/JA1WZV  
W6/LU4DMI  
W6/LU8EDU  
W6/OE2CHN  
W6/OE6BVG  
W6/TG9EM  
W6/TG9JH  
W6/VK2KS  
W6/4X6MQ  
W7/DL1UF  
KH8/OE2CHN  
W8/JR1COO  
KH0/JGIRVN  
KH0/OE6BVG  
VE2AQ5/W6  
VE3BMV/W2  
VE3EKH/W5  
VE3SUN/W6  
VE7GDM/W0

Martin W. Bayes, 44 Overlook Rd. Ossining, NY 10562, USA  
Ricardo E. Gigliotti, 50 Summer St., Dept. 48, Malden, MA 02148, USA  
Francisco Pini, 2 Hillside Rd, Kinnelon, NJ 07405, USA  
Jacques M. Pecourt, Box 1384, Millbrook, NY 12545, USA  
Jose L. Taveras, 631 E. 220 St. Apt 4A, Bronx, NY 10467  
Victor M. Rivas, P.O. Box 313, N. Tarrytown NY 10591  
Claudio Alvarez, P.O. Box 1358 New York, NY 10007, USA  
Carlos Montoya Lajud 468 Thrift Street Ronkonkoma, NY 11779, USA  
Kenichiro Arakawa, 2 Park Ave. 3-A, Eastchester, NY 10709, USA  
M. Rozbicki, QSL via VK2DXI  
Mario Novak, 34-10 33rd St. Astoria, NY 11106, USA  
QSL via 4X1AD  
Cesar Plaza O., 13800 Valley Dr. Potomac, MD 20854, USA  
Tommy Johansson, 5312 Carlton St., Bethesda, MD 20816, USA  
Frank Nemetz, 918 SE 10th Ct., Deerfield Beach, FL 33441, USA  
Silvia Nemetz, 918 SE 10th Ct., Deerfield Beach, FL 33441, USA  
Julio Perez, 380 Arlington Rd., West Palm Beach, FL 33405, USA  
Miguel A. Rodriguez, 9740 SW 77th St., Miami, FL 33173, USA  
Eduardo Gaviria V., 10772 SW 88th St. G-7, Miami, FL 33176, USA  
Fabio Castillo C., 3330 Wiseman Dr., Charlotte, NC 28212, USA  
Herbert Asmussen, 2401 Silver Palm Rd. W., Boca Raton, FL 33432, USA  
Kristinn Andersen, 1706-B Ashwood Ave., Nashville, TN 37212, USA  
Jose Carlos Ruiz, 201 West Queens Dr., Williamsburg, VA 23185, USA  
Michael A. Crawford, Box 570364, Miami, FL 33257, USA  
F.E. Vidal, 14532 West Dixie Highway, Miami, FL 33161, USA  
Jose A. Figrac, Ave. A 255, San Jose, San Salvador  
Morel Grunberg, QSL via 4X1AD  
Sigurd Meng, 24 Comanche Circle, Shawnee, OK 74801, USA  
Enrique Moresco, 2411 Leon C. Simon Dr., New Orleans, LA 70122, USA  
Walter Brenner, QSL via DJ0FX  
Christian Hohenwallner, QSL via OE2VLN  
M. Rozbicki, QSL via VK2DXI  
Terence G. Langdon, Box 1489, Santa Monica, CA 90406, USA  
Ken Thorne, 8040 Bobby Boyar Ave., West Hills, CA 91304, USA  
Katsuyoshi Sakamoto, 29632 Island View Dr., Rancho Palos Verdes, CA 90274  
Marcelo G. Martins, P.O. Box 90994, Long Beach, CA 90809-0994  
Raul Grebe, Box 1113, Montebello, CA 90640, USA  
Christian Hohenwallner, QSL via OE2VLN  
Walter Brenner, QSL via DJ0FX  
Emma E. Garcia, Box 1493, Hawthorne, CA 90245, USA  
Julio Garcia, POB 1493, Hawthorne, CA 90245, USA  
Eddie DeYoung, 27 David Ave, N. Ryde 2113, NSW, Australia  
Morel Grunberg, QSL via 4X1AD  
Reinhard Geissler, 7000 N. Central Ave. Phoenix, AZ 85020, USA  
Christian Hohenwallner, QSL via OE2VEL  
Hiroshi Shimizu, 21209 Bayside, ST. Claire Shores, MI 48081, USA  
QSL Via JG1RVN  
Walter Brenner, QSL via DJ0FX  
J. Robert St. Germain, 226 Roundhill Place, Clayton, CA 94517, USA  
Yuri Blannarovich, Box 282, Pine Brook, NJ 07058, USA  
J. Donald Boudreau, Box 260, Hurricane Creek Estates, Anna, TX 75003, USA  
Peter R. Jennings, Box 336, Ben Lomond, CA 95005, USA  
Doug McGill, 2508 Century Road, Omaha, NE 68123, USA

# 6 METER BEACONS

This list has been prepared by Harry Schools KA3B and Ray Clark K5ZMS for SMIRK, the Six Meter International Radio Klub. Please send all update information and Klub membership inquiries to K5ZMS.

I = Intermittent beacon. C = Continuous beacon.

<u>FREQ.</u>	<u>CALL</u>	<u>OPERATION</u>	<u>LOCATION</u>	<u>GRID</u>	<u>NOTES</u>
35.810	VK6RO	I	Western Australia		3W, 6 el Yagi
41.750	VK6RO	I	Western Australia		8W, 6 el Yagi
45.250	Ch. 1	I	New Zealand TV video		
46.250	Ch. 0	I	Australian TV video		
48.250	Ch. E2	I	European/African TV video		
49.750	Ch. RI	I	European/Asian TV video		
50.000	CE3BXK	I	Santiago, Chile		
50.000	GB3BUX	C	Sheffield Univ., Buxton, England	IO93BF	15W, Turnstile
50.005	ZS2SIX	C	Rep. of South Africa	KF25	25W, dipole N/S
50.005	H44HIR		Honaria, Solomon Islands	QI00	
50.007.2	KØGUV	C	Park Rapids, Minnesota, USA	EN26	8W, Halo 35'
50.010	VE7SIX	C	Kaleden, BC, Canada	DN09	130W, Swiss Quad
50.010	JA2IGY	C	Mie (near Nagoya), Japan	PM84	10W, ground plane
50.013	P29BPL	C	Port Moresby, Papua New Guinea	QI30	30W, dipole
50.015	SZ2DH	I	Athens, Greece	KM18MM	10W, 5 el Yagi
50.015	PJ4B	C	Bonaire, Netherlands Antilles		
50.017	JE6ZIH	C	Miyazaki, Japan	PM51	10W, 2X/Squalo
50.018	ZS3VHF	C	Rep. of South Africa	JG87	50W, ground plane
50.020	GB3SIX	C	Anglesey, England	IO73TJ	25W, 3 el Yagi
50.020	CX1CCC	C	Uruguay	GF15	5W, ground plane
50.025	6Y5RC	C	Kingston, Jamaica	FK17MX	40W, 3 el Yagi
50.026.5	ZS6PW	I	Rep. of South Africa	KG44	
50.028	JA7ZMA	C	Fukushima, Japan	QM07	10W, 6 el Yagi
50.030	CTØWW	C	Joao Pesdueira, Portugal	IN61GE	40W, dipole
50.032.5	ZD8VHF	C	Ascension Island	II22	50W, JVL vertical
50.033	LU8YYO	C	Argentina		
50.035	ZB2VFH	C	Gibraltar		
50.035	ZS3VHF	C	Rep. of South Africa		60W, vertical
50.039	FY7THF	C	Kourou, French Guyana	GJ35	100W, ground plane
50.040	CX8BE	I	Montevideo, Uruguay	GF15	10W, 4 el Yagi
50.040	SV1SIX		Greece		
50.045	YV5/DL3ZM	C	Caracas, Venezuela	FK60	10W, 6 el Yagi
50.045	OX3VHF	C	Simiutag, Greenland	GP60QQ	20W, ground plane
50.050	GB3NHQ	C	Potters Bar, England	IO91VQ	15W, dipoles
50.050	ZS6DN	C	Irene, Rep. of South Africa	KG44	
50.055	ZS6LN	I	Rep. of South Africa	KG46	
52.056	VK8VF	C	Darwin, Australia	PH57	20W, horizontal
50.057.5	TF3SIX	C	Iceland	HP94CC	50W, vertical
50.060	GB3RMK	C	Rosemarkie, England	IO77UO	20W, dipole
50.060	K4TQR	C	Birmingham, Alabama, USA	EM63OM	1W, dipole 60'
50.060	WA8ONQ	C	Middletown, Ohio, USA	EM79TM	2W, Turnstile 50'
50.060	W5VAS	C	Slidell, Louisiana, USA	EM50	0.5W, vertical 310
50.060.2	PY2AA	C	Sao Paulo, Brazil	GG66QK	25W, ground plane
50.061	K1NFE	C	Burlington, Connecticut, USA	FN31MS	15W, Turnstile 70'
50.062	W3VD	C	Laurel, Maryland, USA	FM19NC	10W, vertical 40'
50.062.5	GB3NGI	C	Londonderry, England	IO65	18W, dipole
50.063	N4PZ	C	Sarasota, Florida, USA	EL87SF	0.4W, whip 70'
50.063	K6MYC	I	Kona, Hawaii, USA	BK29	10W, M sq. Yagi
50.064	WD7Z	C	Yucca, Arizona, USA	DM24MV	75W, Squalo 60'
50.065	WA1OJB	C	Bowdoin, Maine, USA	FN54	13W, J-pole 15'
50.065	NB30/1	C	Rhode Island, USA	FN41	100W, 5 el Yagi
50.065	W9KFO	C	Eaton, Indiana, USA	EN70HH	1.5W
50.065	KAØCDN	C	Aurora, Colorado, USA	DM79PS	20W, Halo 30'
50.065	WØIJR	C	Aurora, Colorado, USA	DM79PS	20W, Halo 30'
50.065	KL7WE	I	Anchorage, Alaska, USA	BP51	1.5W, 3 el Yagi
50.065.5	GB4HXJ	C	St. Helier, England	IN89	10W, Halo
50.066	VK6RPR	C	Perth, Australia	OF78	20W, horizontal
50.067	WB8IGY	I	Loveland, Ohio, USA	EM79UG	2W, vertical 100'
50.067	N7DB	I	Boring, Oregon, USA	CN85TM	10W, Halo 30'
50.067		C	Brazzaville, Congo AM Station		
50.068	W7US	C	Tucson, Arizona, USA		
50.068.5	W4RFR	C	Nashville, Tennessee, USA	EM66WA	2W
50.069	W4HHK	C	Collierville, Tennessee, USA	EM55HA	1W, dipole 30'
50.069	K6FV	C	Woodside, California, USA	CM87UL	100W, various 30'
50.070	WØBJ	C	North Platte, Nebraska, USA	DN91NC	5W, Turnstile 12'

# 6 METER BEACONS

FREQ.	CALL	OPERATION	LOCATION	GRID	NOTES
50.070	KA4VEY	C	Harvest, Alabama, USA	EM64VV	10W, vertical
50.070	KB4UPI	C	Birmingham, Alabama, USA	EM63OM	4W, dipole 25'
50.070	KØHTF	C	Des Moines, Iowa, USA	EN31KC	3W, inverted V
50.070	N4LTA	C	Spartanburg, S.Carolina, USA	EM94AX	10W, Halo 50'
50.070	WA7ECY	C	Troutdale, Oregon, USA	CN85SM	10W, Squalo 30'
50.070	WBØCGH	C	Lewisville, Texas, USA	EM13MC	1.5W, Halo 180'
50.070	WB4GJG	I	Danville, Virginia, USA	FM06HM	1W, Ringo 70'
50.071	WØVD	C	Joplin, Missouri, USA	EM27VD	12W, dipole 20'
50.072	WA2YTM	C	Canandaigua, New York, USA	FN12IT	15W, Turnstile
50.072	KW2T	C	Palmyra, New York, USA	FN13	0.25W, Squalo 30'
50.074	WB5DSH	C	Oklahoma City, Oklahoma, USA	EM15FL	30W, Halo 40'
50.075	K7IHZ	I	Mesa, Arizona, USA	DM43BM	20W, Squalo
50.075	PY2AMI	C	Americana, Brazil	GG67IF	10W, ground plane
50.075	KP4EKG	I	Bayamon, Puerto Rico, USA	FK68	10W, vertical 35'
50.075	VS6SIX	C	Hong Kong	OL72	30W, ground plane
50.077	NØLL	C	Smith Center, Kansas, USA	EM09OS	21W, 2 Halos 30'
50.077	N5JM	I	New Orleans, Louisiana, USA	EL49XW	3W, vertical 50'
50.077.5	TI2NA	C	San Jose, Costa Rica	EK70	20W, dipole
50.079	W6SKC/7	C	Nogales, Arizona, USA	DM41ML	5-80W, horizontal 15'
50.080	KH6JJJ	I	Honolulu, Hawaii, USA	BL11CI	5W, 3 el Yagi
50.080	WB400J	C	Tampa, Florida, USA	EL87SU	10W, vertical 25'
50.080	W1AW	I	ARRL, Newington, CT, USA	FN31PQ	50W, 6 el Yagi 60'
50.082	HC8SIX	C	Galapagos Islands	EI59	4W, vertical
50.085	9H1SIX	C	Malta	JM75FV	25W, 5 el Yagi
50.086	LU1MA	C	Mendoza, Argentina	FF57	10W, 2 el Quad
50.086	K7NV	I	Pahrump, Nevada, USA	DM16	
50.086	VE2STL	C	Val Belair, Quebec, Canada	FN46	1.5W, dipole
50.086	VP2MO	I	Plymouth, Montserrat	FK86	10W, 6 el Yagi 50'
50.090	KJ6BZ	C	Jonnston Island	AK56	10W, 6 el Yagi
50.092	W5GTP	I	New Iberia, Louisiana	EM40CA	30W, 3 el Yagi 30'
50.100	HC2FG	C	Guayaquil, Ecuador	FI07	8W, J-pole
50.100	VP5D	C	Turks & Caicos Islands	FL31	6W, AR6 Ringo 60'
50.100	KG6DX	I	Latte Heights, Guam	QK23	40W, 3 el Yagi
50.110	JA2IGY	C	Mie (near Nagoya), Japan	PM84	10W, ground plane
50.110	A61XL	I	United Arab Emirates	LL74	50W, 6 el Yagi
50.120	4S7EA	I	Sri Lanka	MJ97	50W, 6 el Yagi
50.321	ZS5SIX	C	Pietermaritzburg, RSA	KG50	10W, Halo
50.490	JG1ZGW	C	Tokyo, Japan	PM95	10W, dipole
50.500	5B4CY	C	Zyghi, Cyprus	KM64HT	15W, ground plane
50.740	Ch.1 Audio	I	Auckland, New Zealand	WBFM	
50.750	Ch.1 Audio	I	Kaukapunake, New Zealand	WBFM	
50.760	Ch.1 Audio	I	Waukapunake, New Zealand	WBFM	
50.904	ZS1STB	C	Republic of South Africa	KF05	25W, ground plane
51.020	ZL1UHF	C	Auckland, New Zealand	RF73	25W, dipole
51.030	ZL2MHB	C	Napier, New Zealand	RF80	10W, vertical
51.225	ZL2VHTC		Inglewood, New Zealand	RF70	30W
51.670	Ch.0 Audio	I	Brisbane, Qld, Australia		FM
51.740	Ch.0 Audio	I	Wagga, NSW, Australia		FM
51.760	Ch.0 Audio	I	Melbourne, Vic, Australia		FM
51.910	Ch.0 Audio	I	Brisbane, Qld, Australia		
52.100	ZK2SIX	C	Niue	AF50	
52.200	VK8VF	C	Darwin, Australia	PH57	20W, horizontal
52.250	ZL2VHM	C	Manawatu, New Zealand	RE79	8W
52.310	ZL3MHF	C	Christchurch, New Zealand	RE66	50W, vertical
52.320	VK6RTT	C	Wickham, Australia	OG89	25W, J-pole
52.325	VK2RHV	C	Newcastle, Australia	QF57	20W, horizontal
52.330	VK3RGG	C	Geelong, Australia	QF21	10W, horizontal
52.345	VK4ABP	C	Longreach, Australia	QG26	10W, vertical
52.370	VK7RST	C	Hobart, Australia	QE37	20W, horizontal
52.420	VK2RSY	C	Sydney, Australia	QF56	25W, Turnstile
52.425	VK2RGB	C	Gunnedah, Australia	QF59	5W, horizontal
52.440	VK4RTL	C	Townsville, Australia	QH30	10W, 1/4 vertical
52.450	VK5VF	C	Adelaide, Australia	PF95	30W, Turnstile
52.460	VK6RPH	C	Perth, Australia	OF78	20W, horizontal
52.465	VK6RTW	C	Albany, Australia	OF84	10W, horizontal
52.470	VK7RNT	C	Launceston, Australia	QE38	10W, horizontal
52.485	VK8RAS	C	Alice Springs, Australia	PG66	25W, horizontal
52.490	ZL2SIX	C	Blenheim, New Zealand	RE68	10W, vertical
52.510	ZL2MHF	C	Upper Hut, New Zealand	RE78	4W, vertical

# 10 METER BEACONS

FREQ.	CALL	OPERATION	LOCATION	NOTES
28.175	VE3TEN	C	Ottawa, Ontario, Canada	10W, ground plane
28.191	VE6YF		Edmonton, AB, Canada	10W
28.195	1Y4M		Bologna, Italy	20W, 5/8 ground plane
28.200	GB3SX	C	Crowborough, England, U.K.	8W, dipole
28.201	LU8ED		Buenos Aires, Argentina	5W
28.202	KE5GY	I	Arlington, Texas, USA	5W, vertical
28.2025	ZS5VHF		Natal, Rep. of South Africa	5W, ground plane
28.204	DLØIGI	C	Mt. Predigtstuhl, West Germany	100W, vertical dipole
28.205	KA3OEM		Meadville, Pennsylvania, USA	27W, Yagi west
28.206	KJ4X		Pickens, South Carolina, USA	2W, vertical
28.2075	W8FKL	C	Venice, Florida, USA	10W, vertical
28.208	WA1IOB	C	Marlborough, Massachusetts, USA	75W, vertical
28.209	NX2O		Staten Is., New York, USA	10W, ground plane
28.210	3B8MS	C	Mauritius	ground plane
28.210	K4KMZ	I	Elizabethtown, Kentucky, USA	20W, vertical
28.210	KC4DPC	C	Wilmington, North Carolina, USA	4W, dipole
28.212	EA6RCM		Palma de Mallorca, Spain	4W, 5 el NNE
28.2125	ZD9GI	C	Gough Is., South Atlantic	ground plane
28.216	GB3RAL	C	Slough, Berkshire, U.K.	20W, ground plane
28.2175	W8UR		Mackinac Is., Michigan, USA	1/2 W, ground plane
28.2175	WB9VMY	C	Calumet, Oklahoma, USA	2W, dipole
28.2195	LU4XS		Tierra del Fuego, Argentina	
28.220	5B4CY	C	Zyvi, Cyprus	26W, ground plane
28.221	PY2GOB		Sao Paulo, Brazil	15W, vertical
28.222	W9UXO	C	Lake Bluff, Illinois, USA	10W, ground plane
28.2225	HG2BHA	C	Tapolca, Hungary	10W, ground plane
28.225	PY2AMI	C	Sao Paulo, Brazil	5W, dipole
28.225	N6TWX	I	Grass Valley, California, USA	30W, 3 el Yagi
28.225	KW7Y		Marysville, Washington, USA	4W, vertical
28.2275	EA6AU	C	Mallorca, Balearic Is., Spain	10W, 5/8 ground plane
28.230	ZL2MHF	C	Mt. Climie, New Zealand	50W, vertical dipole
28.232	W7JPI	C	Sonoita, Arizona, USA	5W, 3 el Yagi NE
28.233	KD4EC	C	Jupiter, Florida, USA	7W, ground plane
28.235	VP9BA	C	Hamilton, Bermuda	10W, ground plane
28.2375	LA5TEN	C	Oslo, Norway	10W, 5/8 ground plane
28.2405	5Z4ERR	C	Kiambu, Kenya	
28.245	A92C		Bahrain	dipole, NW/SE
28.2455	ZS1CTB	C	Capetown, Rep. of South Africa	20W, 1/4 vertical
28.2475	EA2HB	I	San Sebastian, Spain	6W, ground plane
28.248	K1BZ	C	Belfast, Maine, USA	5W, vertical dipole
28.2495	EA3JA		Barcelona, Spain	
28.250	W3SV	C	Elverson, Pennsylvania, USA	10W, vertical
28.250	KØHTF	C	Des Moines, Iowa, USA	2W, ground plane
28.250	Z21ANB	C	Bulawayo, Zimbabwe	15W, ground plane
28.2505	4N3ZHK		Yugoslavia	1W, vertical
28.252	WB4JHS	I	Florissant, Missouri, USA	7W, vertical
28.252	WJ7X	C	Bellevue, Washington, USA	5W, vertical
28.2525	OH2TEN		Finland	
28.255	LU1UG		Gral Pico, Argentina	5W, ground plane
28.2575	DKØTEN	C	Konstanz, West Germany	40W, ground plane
28.259	WB9FVR	C	Pembroke Pines, Florida, USA	1W, dipole
28.260	VK5WI	C	Adelaide, SA, Australia	10W, ground plane
28.262	VK2RSY	C	Sydney, NSW, Australia	25W, ground plane
28.264	VK6RWA	C	Perth, WA, Australia	
28.266	VK6RTW	C	Albany, WA, Australia	
28.266	KB4UPI	C	Birmingham, Alabama, USA	20W, 1/4 vertical
28.2685	W9KFO	I	Eaton, Indiana, USA	0.75W, vertical
28.270	ZS6PW	C	Pretoria, Rep. of South Africa	10W, 3 el Yagi
28.270	VK4RTL	C	Townsville, QLD, Australia	
28.2725	9L1FTN	I	Freetown, Sierra Leone	10W, vertical dipole
28.2745	ZS1LA	C	Stillbay, Rep. of South Africa	20W, 3 el Yagi NW
28.275	AL7GQ	C	Denver, Colorado, USA	1W, loop
28.2755	N6RDX	I	Stockton, California, USA	20W, 3 el Yagi
28.277	DFØAAB	C	Kiel, West Germany	10W, ground plane
28.280	LU8EB		Buenos Aires, Argentina	5W
28.282	VEIMUF	C	Fredrickton, NB, Canada	0.5W, dipole
28.282	VE2HOT		Beaconsfield, PQ, Canada	5W, vertical dipole
28.284	VP8ADE	C	Adelaide Is., Antarctica	8W, vert. beam to G-land
28.286	KE2DI		Rochester, New York, USA	2W, vertical dipole
28.286	KK4M	C	Las Vegas, Nevada, USA	5W, vertical
28.287	W8OMV		Asheville, North Carolina, USA	5W, ground plane
28.287	H44SI	C	Honaria, Solomon Is.	15W
28.288	W2NZH	I	Moorestown, New Jersey, USA	3W, ground plane
28.290	SK5TEN		Sweden	
28.290	VS6TEN	C	Mt. Matilda, Hong Kong	10W, vertical
28.292	ZD8HF		Ascension Island	
28.2925	LU2FFV		San Jorge, Argentina	5W, ground plane
28.295	WC8E	I	Cincinnati, Ohio, USA	10W, vertical
28.296	W3VD	C	Laurel, Maryland, USA	1.5W, vertical dipole
28.297	WA4DJS	I	Ft. Lauderdale, Florida, USA	30W, ground plane
28.301	KF4MS	C	St. Petersburg, Florida, USA	5W
28.3025	PT7AAC		Fortaleza, Brazil	5W, ground plane
28.306	PT8AA		Rio Branco, Brazil	5W, ground plane
28.315	ZS6DN	C	Irene, Rep. of South Africa	100W, vertical
28.888	W6IRT		N. Hollywood, California, USA	5W, ground plane
28.992	DLØANN		Nuernberg, West Germany	20MW, delta loop

Send any additions, corrections, or deletions to Joe Gumino – K2OLG, 303 Old Stage Road, Spotswood, NJ 08884, USA.

## THIRD-PARTY TRAFFIC

The U.S. Federal Communications Commission defines third-party traffic [Part 97.3 (a)(38)] as: "A message from the control operator (first party) of an amateur station to another amateur station control operator (second party) on behalf of another person (third party)." U.S. amateurs are only permitted to handle such traffic with countries having third-party agreements with the United States.

The following is a current list of these countries:

V2	Antigua & Barbuda	YS	El Salvador	XE	Mexico
LU	Argentina	V6	Federated States of Micronesia	YN	Nicaragua
VK	Australia			HP	Panama
V3	Belize	9G	Ghana	ZP	Paraguay
CP	Bolivia	J3	Grenada	OA	Peru
PP-PY	Brazil	TG	Guatemala	DU	Philippines
VE	Canada	8R	Guyana	V4	St. Kitts-Nevis
CE	Chile	HH	Haiti	J6	St. Lucia
HK	Colombia	HR	Honduras	J8	St. Vincent
D6	Comoros	4X,4Z	Israel	9L	Sierra Leone
TI	Costa Rica	4U1ITU	ITU, Geneva	3D6	Swaziland
CM,CO	Cuba	4U1VIC	ITU, Vienna	C5	The Gambia
J7	Dominica	6Y	Jamaica	9Y	Trinidad & Tobago
HI	Dominican Republic	JY	Jordan	CX	Uruguay
HC	Ecuador	EL	Liberia	YV	Venezuela

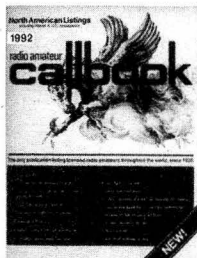
## RECIPROCAL OPERATING AGREEMENTS

The United States has negotiated reciprocal operating agreements with many other countries. Amateurs may operate within the territory of these countries according to the terms of the agreement after first obtaining a permit from the host country. The sole exception is Canada: amateurs with valid U.S. or Canadian licenses may operate within the other country's territory without obtaining a permit. They must, of course, abide by all the terms of the reciprocal operating agreement.

The following is a current list of countries having reciprocal operating agreements with the United States:

V2	Antigua & Barbuda	DA-DR	Germany	YN	Nicaragua
LU	Argentina	SV	Greece	LA	Norway
VK	Australia	J3	Grenada	HP	Panama
OE	Austria	TG	Guatemala	P2	Papua New Guinea
C6	Bahamas	8R	Guyana	ZP	Paraguay
8P	Barbados	HH	Haiti	OA	Peru
ON	Belgium	HR	Honduras	DU	Philippines
V3	Belize	VS6	Hong Kong	CT	Portugal
CP	Bolivia	TF	Iceland	J6	St. Lucia
A2	Botswana	VU	India	J8	St. Vincent/Grenadines
PY	Brazil	YB-YH	Indonesia	S7	Seychelles
VE	Canada	EI	Ireland	9L	Sierra Leone
CE	Chile	4X,4Z	Israel	H4	Solomon Is.
HK	Colombia	I	Italy	ZR,ZS	South Africa
TI	Costa Rica	6Y	Jamaica	EA-EH	Spain
5B	Cyprus	JA-JS	Japan	PZ	Surinam
OZ	Denmark/Greenland	JY	Jordan	SJ-SM	Sweden
J7	Dominica	T3	Kiribati	HB	Switzerland
HI	Dominican Republic	9K	Kuwait	HS	Thailand
HC	Ecuador	EL	Liberia	9Y	Trinidad & Tobago
YS	El Salvador	LX	Luxembourg	T2	Tuvalu
V6	Federated States of Micronesia	XE	Mexico	G	United Kingdom
		3A	Monaco	CX	Uruguay
3D2	Fiji	PA-PI	Netherlands	YV	Venezuela
OH	Finland	PJ	Netherlands Antilles	YU	Yugoslavia
F	France & Territories	ZL	New Zealand		

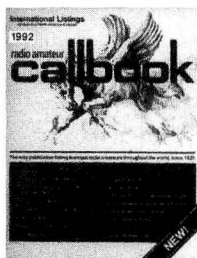
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Has there been a change in your QTH since your current license was issued? Please check this issue—is your name and address correct as listed?

If a correction or change is necessary, please send it to the address below. A regular Callbook listing is free and there is no charge for corrections or changes of your address. (Please show your name and mailing address on any license renewals exactly as you wish to have it listed in the Callbook.)

Send to:

RADIO AMATEUR CALLBOOK  
 P.O. Box 2013  
 Lakewood, NJ 08701